

PAGE 1 OF 4
DATE:7-21-1999
REVISION: A
CUSTOMER: IRCON GMBH
LOCATION: GERMANY

INFRARAIL SPECIAL NUMBER R727

PURPOSE AND DESCRIPTION:

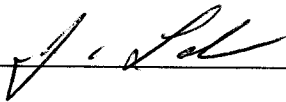
CUSTOMER REQUIRES A INFRARAIL TEMPERATURE SYSTEM WITH A SPECIAL TEMPERATURE RANGE AND OPTICAL RESOLUTION AS FOLLOWS :

MODEL: DNE99-99C
RANGE: 1000° - 1900° C
OPTICAL RESOLUTION: D/50 (5 INCH FOCAL DISTANCE SPECIAL)

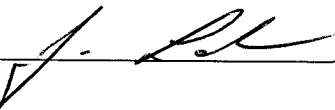
GENERILITY OF APPLICATION AND RESTRICTIONS:

UNRESTRICTED: SUITABLE FOR USE WITH ALL STANDARD OPTIONS.

WRITTEN BY: _____



APPROVED BY: _____



DATE: _____

7-21-99

INFRARAIL SPECIAL NUMBER R727

REVISION: A
DATE: 07-21-1999

PRODUCTION INSTRUCTIONS:

START WITH A MODEL DNE31-20C ELECTRONICS MODULE, AND INSTALL M1 MODULE AS PER BILL OF MATERIAL ON PAGE 3.

FOR THE SENSING HEAD, START WITH A MODEL DNE31-20C SENSOR AND MAKE THE FOLLOWING CHANGES:

DETECTOR ASSEMBLY (C11209) CHANGES:

1. FOR THE FIELD STOP, USE P.N. **45132-3** (0.044" DIAMETER)

SENSING HEAD (C11201) CHANGES:

1. FOR THE LENS, USE P.N. **61041-2** (5" FOCAL DISTANCE).

CALIBRATION INSTRUCTIONS:

CALIBRATE AS PER STANDARD.

NOTE THE CHANGE IN FOCAL DISTANCE (D/50 @ 5.0").

SET I_{sc} HEAD OUT @ T_{bb} (1900°C) = 150 μ A.

SET I_{sc} HEAD OUT @ T_{bb} (1000°C) = .798 μ A.

MANUAL INSTRUCTIONS:

GENERIC INFRARAIL SERIES MANUAL.

INFRARAIL SPECIAL NUMBER R727 CONTINUED,

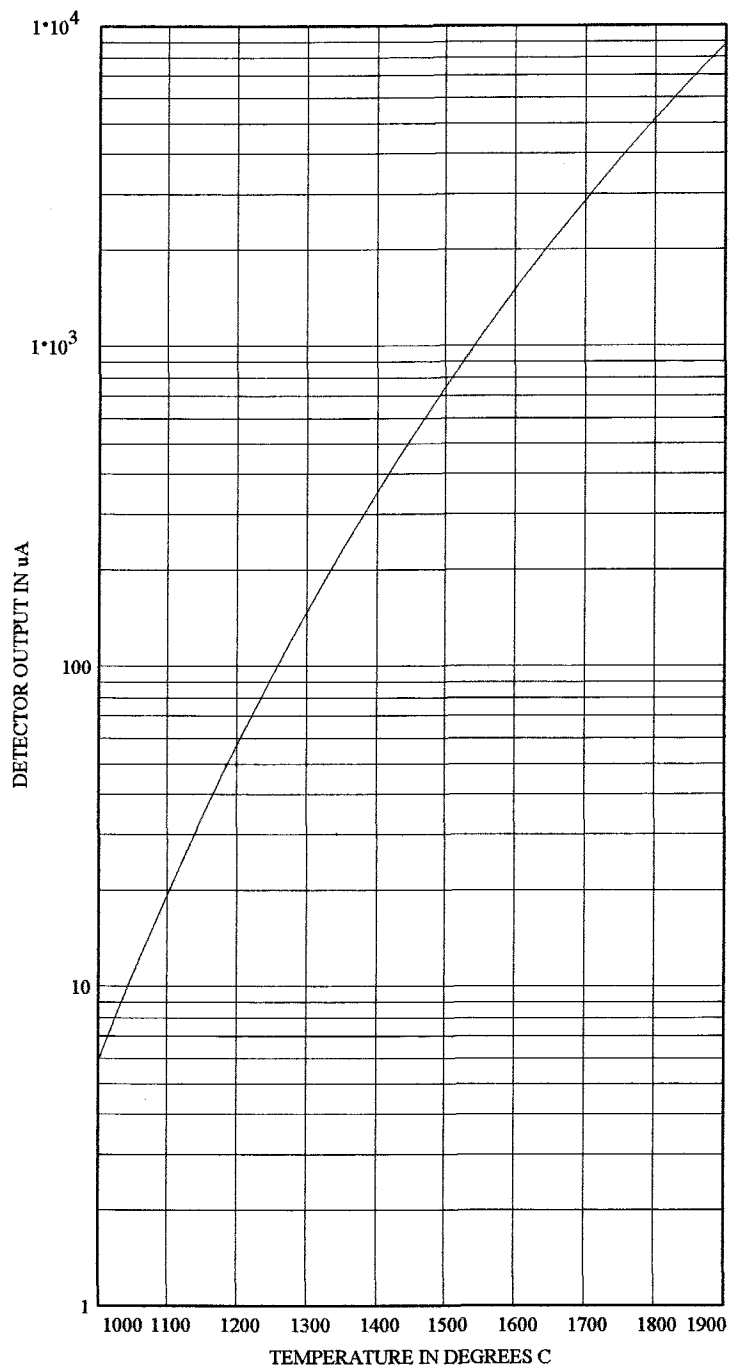
BILL OF MATERIAL

MODULE M1 REFERENCE: DWG.NO.C11194

SYMBOL	PART NO.	DESCRIPTION		
R1	102152011	RESISTOR	21.5 Kohm	METAL FILM 1/4W 1%
R44	101872011	RESISTOR	18.7 Kohm	METAL FILM 1/4W 1%
R54	101243011	RESISTOR	124 Kohm	METAL FILM 1/4W 1%
R45	101402011	RESISTOR	14.0 Kohm	METAL FILM 1/4W 1%
R55	105622011	RESISTOR	56.2 Kohm	METAL FILM 1/4W 1%
R46	109761011	RESISTOR	9.76 Kohm	METAL FILM 1/4W 1%
R56	108872011	RESISTOR	88.7 Kohm	METAL FILM 1/4W 1%
R47	106491011	RESISTOR	6.49 Kohm	METAL FILM 1/4W 1%
R57	101433011	RESISTOR	143 Kohm	METAL FILM 1/4W 1%
R48	104121011	RESISTOR	4.12 Kohm	METAL FILM 1/4W 1%
R58	102373011	RESISTOR	237 Kohm	METAL FILM 1/4W 1%
R49	102491011	RESISTOR	2.49 Kohm	METAL FILM 1/4W 1%
R59	104023011	RESISTOR	402 Kohm	METAL FILM 1/4W 1%
R50	101431011	RESISTOR	1.43 Kohm	METAL FILM 1/4W 1%
R60	106983011	RESISTOR	698 Kohm	METAL FILM 1/4W 1%
R51	108060011	RESISTOR	806 ohm	METAL FILM 1/4W 1%
R61	101274011	RESISTOR	1.27 Mohm	METAL FILM 1/4W 1%
R52	104420011	RESISTOR	442 ohm	METAL FILM 1/4W 1%
R53	104640011	RESISTOR	464 ohm	METAL FILM 1/4W 1%
R62	102324011	RESISTOR	2.32 Mohm	METAL FILM 1/4W 1%

Temp
 DEG. C SENSOR
 CURRENT Indicator current
 IN uA 4 - 20 mADC

TC	Isc(TC)	Iout(TC)
1900	150.000	20.000
1875	137.349	19.556
1850	125.513	19.111
1825	114.460	18.667
1800	104.157	18.222
1775	94.572	17.778
1750	85.672	17.333
1725	77.425	16.889
1700	69.799	16.444
1675	62.763	16.000
1650	56.287	15.556
1625	50.340	15.111
1600	44.892	14.667
1575	39.915	14.222
1550	35.380	13.778
1525	31.260	13.333
1500	27.526	12.889
1475	24.154	12.444
1450	21.118	12.000
1425	18.394	11.556
1400	15.958	11.111
1375	13.787	10.667
1350	11.860	10.222
1325	10.157	9.778
1300	8.657	9.333
1275	7.342	8.889
1250	6.195	8.444
1225	5.198	8.000
1200	4.337	7.556
1175	3.597	7.111
1150	2.965	6.667
1125	2.427	6.222
1100	1.973	5.778
1075	1.593	5.333
1050	1.275	4.889
1025	1.013	4.444
1000	0.798	4.000



Acknowledgment



IRCON, INC.
7300 N. Natchez Ave.
Niles, IL 60714 USA

Phone 847-967-5151
Toll Free 800-323-7660
Fax 847-647-0948

REQUEST DATE (MM-DD-YY)
08-27-99

PROMISE DATE (MM-DD-YY)
08-27-99

OUR ORDER NO.
71199

ORDER DATE (MM-DD-YY)
07-20-99

YOUR ORDER NO.

D-6774

TERMS

0.00/0/60

F.O.B.

ORIGIN

CODE

1057 (100.00)

VIA

MSAS

SPECIAL SHIPPING INSTRUCTIONS

SOLD TO

CUSTOMER NO.

008241

IRCON GMBH
POSTFACH 1361, D-65221
GRILLPARZERS
TAUNUSSTEIN,
GERMANY

SHIPPING ADDRESS

TAX CODE

J
SPEDITIONSGESELLSCHAFT GM
FRANKFURT AIRPORT
ZUR VERGUEGUNG IRCONGMBH
FRANKFURT,
GERMANY

LI	PART NO.	DESCRIPTION	QTY	DSCNT%	UNIT PRICE	AMOUNT
1	DN-HO#1878 <i>W.O. 2449</i>	DN_DNE31-20C IRCON INFRARAIL IRT SENSING HEAD ONLY Consists of the following: 1.0000 - INFRARAIL HEAD ONLY 1.0000 - DN - E SERIES 1.0000 - D/100 RESOLUTION (E) 1.0000 - 1100-2000C DN_DNE31-20C	3	0.00	840.40	2521.20
		<i>ONE99-99C</i>				
		<i>New Special Head only</i>				
		<i>with Full Scale lens</i>				
		<i>of 1900C, D/50 Resolution</i>				
		<i>and 5 inch focus lens</i>				
		<i>Eng Chg - \$500</i>				
		<i>RSB 7/24</i>				
					GRAND TOTAL	DM2,521.20

THIS ORDER IS ACCEPTED SUBJECT TO TERMS AND CONDITIONS SHOWN ON THIS AND THE REVERSE SIDE

SHIP TO: IRCON, INC.
7300 N. NATCHEZ AVE.
NILES, IL 60714 USA

IF TAX EXEMPT, PLEASE PROVIDE COPY OF
EXEMPTION OR DIRECT PAYMENT CERTIFICATE.

FaxTransmittal Fax Transmittal



IRCON GmbH
Postfach 1361 Taunusstein D-65221
Germany

Fax 06128-927423
Tele 06128-92740

Date JULY 21, 99

To

Fax No

Attn DICK

From WERNER

No. of pages (including this page)

RE = ORDER D-6774 INFRARAIL E HEAD

PLS FAX NOT ONLY THE OUTPUT SIGNAL
AT FULL SCALE BUT ALSO THE SIGNAL
CHANGE STARTING AT 1000°C IN 20°C STEPS
THANKS

Werner

1900C

1000° - 1900° C

147,382 uA

D/50

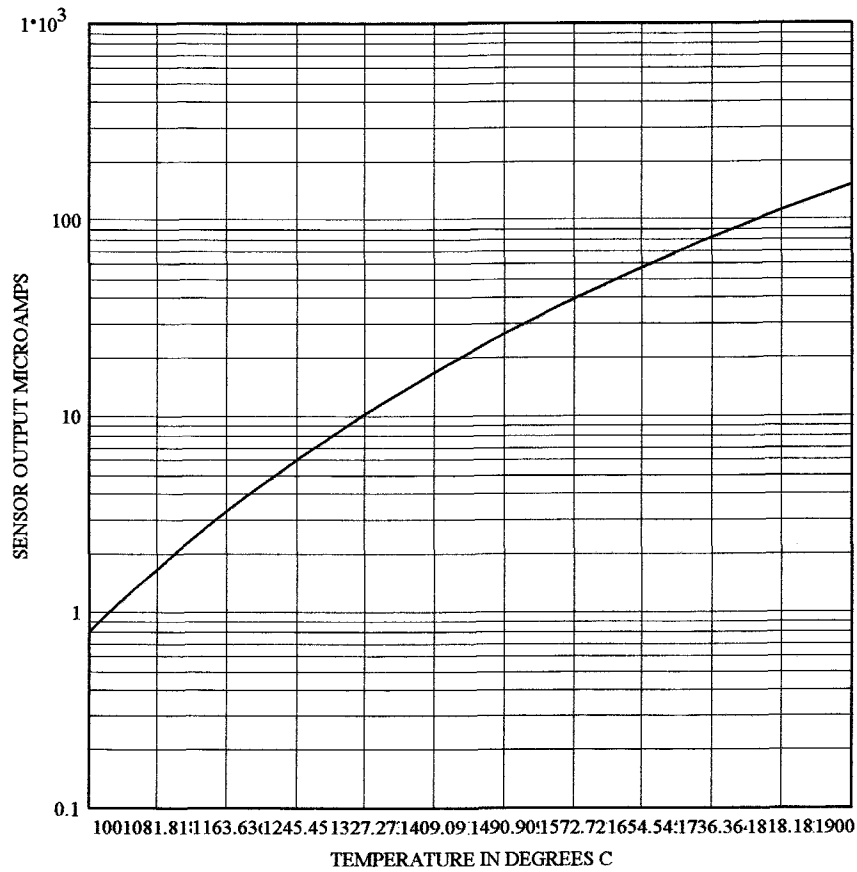
751 uA

Temp Isc uA

TC OUTPUT(TC)

WAVELENGTH 0.7 - 1.0 u

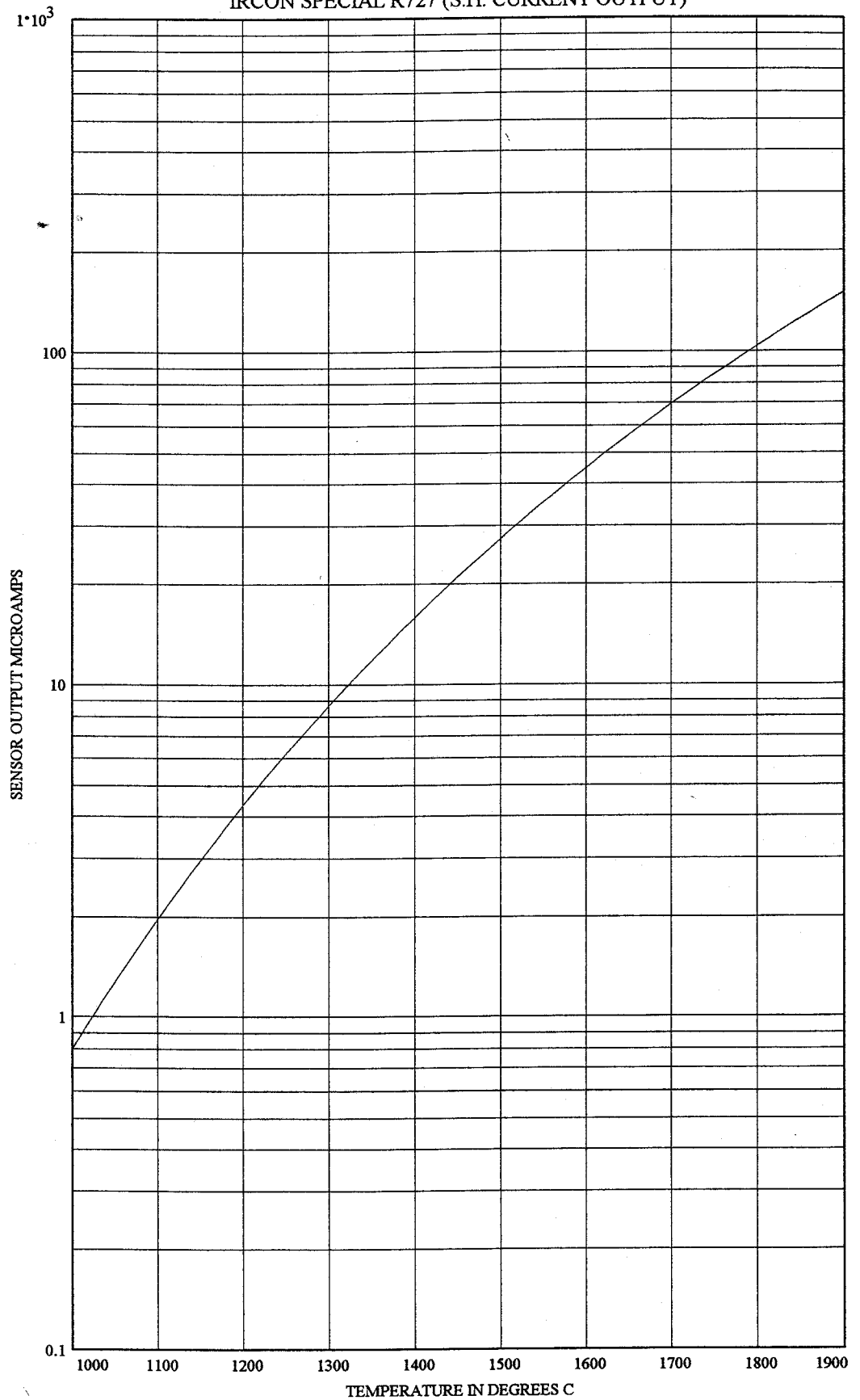
1900	150
1875	137.348612
1850	125.51302
1825	114.46025
1800	104.157492
1775	94.572147
1750	85.671881
1725	77.424678
1700	69.798884
1675	62.763267
1650	56.287061
1625	50.340022
1600	44.892475
1575	39.915362
1550	35.380291
1525	31.259582
1500	27.526311
1475	24.154349
1450	21.118405
1425	18.394062
1400	15.957808
1375	13.787069
1350	11.860233
1325	10.156676
1300	8.656778
1275	7.341937
1250	6.194582
1225	5.198172
1200	4.337204
1175	3.597202
1150	2.964708
1125	2.427273
1100	1.97343
1075	1.592674



Temp Isc uA

1900	150
1880	139.812569
1860	130.151475
1840	120.999815
1820	112.340744
1800	104.157492
1780	96.433379
1760	89.151835
1740	82.296414
1720	75.850812
1700	69.798884
1680	64.12466
1660	58.812362
1640	53.846421
1620	49.211493
1600	44.892475
1580	40.874523
1560	37.143062
1540	33.683809
1520	30.482781
1500	27.526311
1480	24.801063
1460	22.294043
1440	19.992613
1420	17.8845
1400	15.957808
1380	14.201027
1360	12.603041
1340	11.153138
1320	9.841014
1300	8.656778
1280	7.590959
1260	6.634507
1240	5.778796
1220	5.015621
1200	4.337204
1180	3.736185
1160	3.205624
1140	2.738991
1120	2.330167
1100	1.97343
1080	1.663451
1060	1.395282
1040	1.164348
1020	0.966433
1000	0.797666

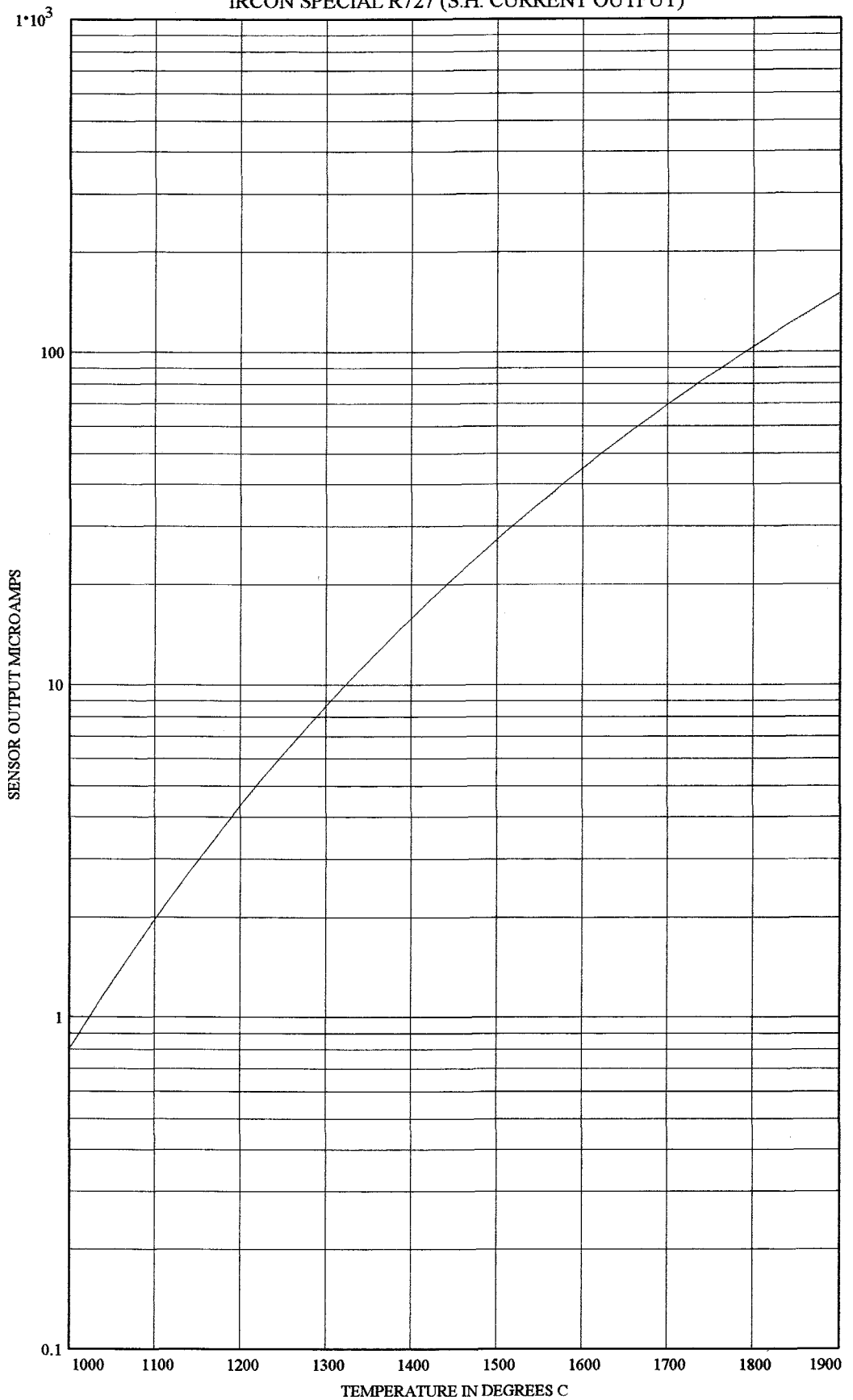
IRCON SPECIAL R727 (S.H. CURRENT OUTPUT)



Temp Isc uA

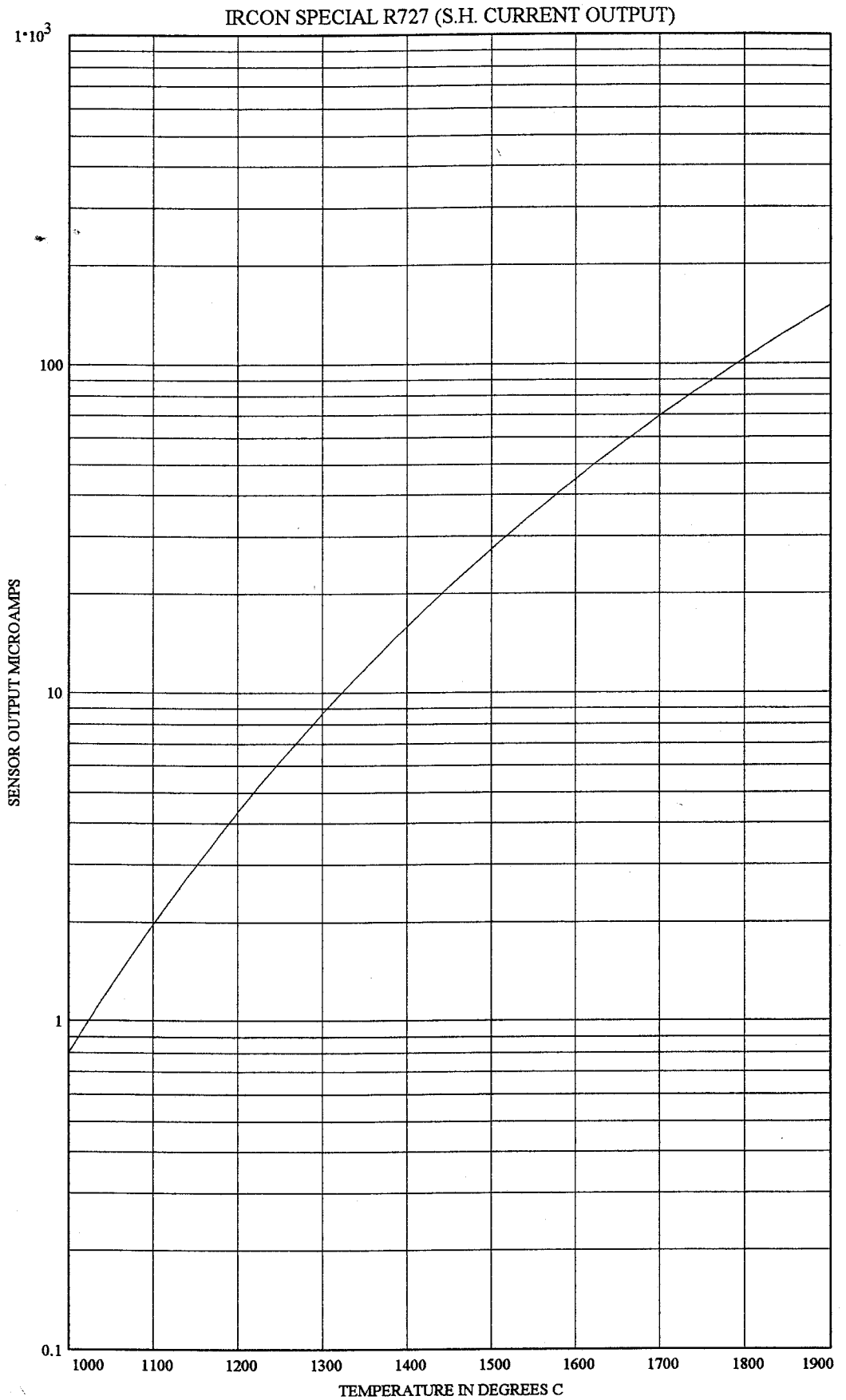
1900	150
1880	139.812569
1860	130.151475
1840	120.999815
1820	112.340744
1800	104.157492
1780	96.433379
1760	89.151835
1740	82.296414
1720	75.850812
1700	69.798884
1680	64.12466
1660	58.812362
1640	53.846421
1620	49.211493
1600	44.892475
1580	40.874523
1560	37.143062
1540	33.683809
1520	30.482781
1500	27.526311
1480	24.801063
1460	22.294043
1440	19.992613
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1400	15.957808
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1360	12.603041
1340	11.153138
1320	9.841014
1300	8.656778
1280	7.590959
1260	6.634507
1240	5.778796
1220	5.015621
1200	4.337204
1180	3.736185
1160	3.205624
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1100	1.97343
1080	1.663451
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1000	0.797666

IRCON SPECIAL R727 (S.H. CURRENT OUTPUT)



Temp Isc uA

1900	150
1880	139.812569
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1840	120.999815
1820	112.340744
1800	104.157492
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1040	1.164348
1020	0.966433
1000	0.797666



BOM Number : DN-HO#1878 - IRCON INFRARAIL IRT SO-LI: 71199*1

Level	Part Number	Description	Quantity	UM	Alt	MB X	ECO No.	ECO Date	StartUse	End Use
1	DN1DNE	DN PRICES	1.0000	EA		M P				
1	C11201-R727	SENSING HEAD FINAL ASSY	1.0000	EA		M P				
2	451323	FIELD STOP .044DIA	1.0000	EA		B	3709	05-17-96		
2	C11201/01	SEE EXTENDED DESCRIPTION	0.0000	EA		M				
2	990300005	RETAINING RING 7/16 OD, .2	1.0000	EA		B	3709	05-17-96		
2	431442	DET. LOCATOR MOD2	1.0000	EA		B	3709	05-17-96		
2	C11209	SH DETECTOR ASSEMBLY (E-S	1.0000	EA		M P	3709	05-17-96		
3	T-C11209-1	SELECT DET. ASSY. (E-SERI	0.0000	EA		B	3770	08-21-96		
2	447352	SENSOR, E-HEAD	1.0000	EA		B	3709	05-17-96		
2	610432	EYE LENS FOR A HEAD	1.0000	EA		B	3709	05-17-96		
2	990100004	EPOXY HB FULLER FE 7004	1.0000	EA		B	3709	05-17-96		
2	447372	FIELD STOP, .312 DIA	1.0000	EA		B	3709	05-17-96		
2	447382	FIELD STOP, .437 DIA	1.0000	EA		B	3709	05-17-96		
2	610412	LENS PLANO CONVEX 5" F/L	1.0000	EA		B	3709	05-17-96		
2	431752	O RING 13/16 X 1/16 TH 70	1.0000	EA		B	3709	05-17-96		
2	447362	LENS RING E-HEAD SENSOR	1.0000	EA		B	3709	05-17-96		
2	200412440	SCREW #4-40 X 3/8 FIL SLO	4.0000	EA		B	3709	05-17-96		
2	220403200	WASHER #4 LOCK SPLIT RING	4.0000	EA		B	3709	05-17-96		
2	454152	SCREW, ADJUSTMENT,	1.0000	EA		B	3709	05-17-96		
2	433372	O RING 3/32 X 7/32 X 1/16	1.0000	EA		B	3709	05-17-96		
2	220602200	WASHER #6 LOCK EXT TOOTH	1.0000	EA		B	3709	05-17-96		
2	200606040	SCREW #6-32 X 3/16 PH SLO	1.0000	EA		B	3709	05-17-96		
2	C11201/02	SEE EXTENDED DESCRIPTION	0.0000	EA		M				
2	443502	RETAINING NUT	1.0000	EA		B	3709	05-17-96		
2	477142	LABEL, SERIAL NUMBER, SEN	1.0000	EA		B	3709	05-17-96		
2	474772	LABEL GROUND WARNING	1.0000	EA		B	3709	05-17-96		
2	T-C11201-1	DETERMINE IF CABLE IS REQ	0.0000	EA		B	3709	05-17-96		
2	C11201/03	SEE EXTENDED DESCRIPTION	0.0000	EA		M				
2	999900013	CAP PLUG #SC-1-1/4	1.0000	EA		B	3709	05-17-96		
2	990100028	SEALANT RTV SILICONE BLAC	1.0000	EA		B	3709	05-17-96		
2	999900014	STEM BUMPER 3/8OD .275T	1.0000	EA		B	3709	05-17-96		
1	NL13354	NEW 'N'# FOR L13354	1.0000	EA		M P				
2	L13354	SH DETECTOR ASSEMBLY E-SE	1.0000	EA		M P				
3	431432	DET. HOLDER MR20 SERIES	1.0000	EA		B	3770	08-21-96		
3	640642	FILTER, BANDPASS	1.0000	EA		B	3770	08-21-96		
3	590672	DET. SI VACTEC 21D459	1.0000	EA		B	3770	08-21-96		
3	560372	CABLE PVC 1 COND SHIELD 2	3.0000	IN		B	3770	08-21-96		
3	312430100	WIRE 24AWG BARE SOLID	1.0000	IN		B	3770	08-21-96		
3	430292	CONN. GASKET 2000 SERIES	1.0000	EA		B	3770	08-21-96		
3	575892	CONN. CIRC 3 RECPT 10SL-3	1.0000	EA		B	3770	08-21-96		
3	490042	SPRING DETECTOR RETAINER	1.0000	EA		B	3770	08-21-96		
3	630092	FOLDING MIRROR SH MROA SE	1.0000	EA		B	3770	08-21-96		
3	490032	SPRING FOLDING MIRROR MOD	1.0000	EA		B	3770	08-21-96		
3	200204130	SCREW #2-56 X 1/8 BH SLOT	1.0000	EA		B	3770	08-21-96		
3	990100016	EPOXY HARDMAN #4001 3-5 M	1.0000	EA		B	3770	08-21-96		
3	3214G00X0	TUBING #14 PVC CLEAR	1.0000	IN		B	3770	08-21-96		

(R727 SENSOR ONLY)

U-E31200 - MODULE ASSEMBLY - MI

FROM TB: T-C11194-1

Acknowledgment



IRCON, INC.
7300 N. Natchez Ave.
Niles, IL 60714 USA

Phone 847-967-5151
Toll Free 800-323-7660
Fax 847-647-0948

SOLD TO _____ CUSTOMER NO. 100426

IRCON B.V.
DATABANKWEG 6 C
3821 AL AMERSFOORT

THE NETHERLANDS

REQUEST DATE (MM-DD-YY) 09-01-00 PROMISE DATE (MM-DD-YY) 09-01-00

OUR ORDER NO. 74886 ORDER DATE (MM-DD-YY) 08-09-00

YOUR ORDER NO. 200040534

TERMS 0.00/0/180

F.O.B. _____

SHIPPING ADDRESS _____ TAX CODE _____

IRCON B.V.
DATABANKWEG 6 C
3821 AL AMERSFOORT

THE NETHERLANDS

CODE 1001 (100.00)

VIA MSAS

SPECIAL SHIPPING INSTRUCTIONS _____

16C99-0-9-1

LI	PART NO.	DESCRIPTION	QTY	DSCNT%	UNIT PRICE	AMOUNT
1	SR#6435 <i>w.o.#7311</i>	SR-16C05-0-0-1 IRCON SR RATIO IRT COMPLETE <i>Redo Special No N115 0-20MA DC + D/100 Res</i> Consists of the following: 1.0000 - STD SH 1.0000 - Std Cbl Lgth 10 meters. 33ft 1.0000 - 900 TO 1600C 1.0000 - A1 LENS (L12061) 1.0000 - .1 SECOND 1.0000 - 4 TO 20 mA DC 1.0000 - 24 VDC	2	0.00	2362.50	4725.00
2	MOD-CHARGES	SR-16C05-0-0-1 <i>DNE99-99C</i> MODIFICATION OF PRODUCT	2	0.00	108.00	216.00
3	DN#6436 <i>w.o.#7314</i>	DN_DNE31-20C IRCON INFRARAIL IRT SYSTEM-COMPLETE <i>Redo Special No R727- temp range 1000-1900C D/50 Res at 5 inch Focus</i>	2	0.00	864.00	1728.00
					GRAND TOTAL	

THIS ORDER IS ACCEPTED SUBJECT TO TERMS AND CONDITIONS SHOWN ON THIS AND THE REVERSE SIDE

SHIP TO: IRCON, INC.
7300 N. NATCHEZ AVE.
NILES, IL 60714 USA

IF TAX EXEMPT, PLEASE PROVIDE COPY OF EXEMPTION OR DIRECT PAYMENT CERTIFICATE.

Acknowledgment



IRCON, INC.
7300 N. Natchez Ave.
Niles, IL 60714 USA

Phone 847-967-5151
Toll Free 800-323-7660
Fax 847-647-0948

REQUEST DATE (MM-DD-YY)

09-01-00

PROMISE DATE (MM-DD-YY)

09-01-00

OUR ORDER NO.

74886

ORDER DATE (MM-DD-YY)

08-09-00

YOUR ORDER NO.

200040534

TERMS

0.00/0/180

F.O.B.

CODE

1001 (100.00)

VIA

MSAS

SPECIAL SHIPPING INSTRUCTIONS

SOLD TO

CUSTOMER NO.

100426

IRCON B.V.
DATABANKWEG 6 C
3821 AL AMERSFOORT

THE NETHERLANDS

SHIPPING ADDRESS

TAX CODE

IRCON B.V.
DATABANKWEG 6 C
3821 AL AMERSFOORT

THE NETHERLANDS

LI	PART NO.	DESCRIPTION	QTY	DSCNT%	UNIT PRICE	AMOUNT
3	DN#6436 (CONTINUED)	<p>Consists of the following:</p> <p>1.0000 - INFRARAIL</p> <p>1.0000 - DN - E SERIES</p> <p>1.0000 - Std Cbl Lgth 4 meters. 12ft</p> <p>1.0000 - D/100 RESOLUTION (E)</p> <p>1.0000 - 1100-2000C</p> <p>DN_DNE31-20C</p>				
4	MOD-CHARGES	MODIFICATION OF PRODUCT	2	0.00	108.00	216.00
					GRAND TOTAL	ECU6,885.00

THIS ORDER IS ACCEPTED SUBJECT TO TERMS AND CONDITIONS SHOWN ON THIS AND THE REVERSE SIDE

SHIP TO: IRCON, INC.
7300 N. NATCHEZ AVE.
NILES, IL 60714 USA

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EXEMPTION OR DIRECT PAYMENT CERTIFICATE.

Acknowledgment



IRCON, INC.
7300 N. Natchez Ave.
Niles, IL 60714 USA

Phone 847-967-5151
Toll Free 800-323-7660
Fax 847-647-0948

REQUEST DATE (MM-DD-YY)

04-13-01

PROMISE DATE (MM-DD-YY)

04-13-01

OUR ORDER NO.

76007

ORDER DATE (MM-DD-YY)

12-05-00

YOUR ORDER NO.

200040807

TERMS

0.00/0/180

F.O.B.

ORIGIN

CODE

1001 (100.00)

VIA

MSAS

SPECIAL SHIPPING INSTRUCTIONS

REF: 002134

SOLD TO

CUSTOMER NO.

100426

IRCON B.V.
DATABANKWEG 6 C
3821 AL AMERSFOORT

THE NETHERLANDS

SHIPPING ADDRESS

TAX CODE

IRCON B.V.
DATABANKWEG 6 C
3821 AL AMERSFOORT

THE NETHERLANDS

DNE99-99C

LI	PART NO.	DESCRIPTION	QTY	DSCNT%	UNIT PRICE	AMOUNT
1	DN-HO#7845 <i>w.o. #8320</i>	DN_DNE31-13C IRCON INFRARAIL IRT SENSING HEAD ONLY Consists of the following: 1.0000 - INFRARAIL HEAD ONLY 1.0000 - DN - E SERIES 1.0000 - D/100 RESOLUTION (E) 1.0000 - 800-1300C DN_DNE31-13C	2	0.00	523.60	1047.20
2	MOD-CHARGES	MODIFICATION OF PRODUCT	2	0.00	119.00	238.00
					GRAND TOTAL	

*Redo Special No R727
Temp range 1000 to 1900C
D/50 resolution at 5
with 5 mil bore*

*RAJ
12/5*

THIS ORDER IS ACCEPTED SUBJECT TO TERMS AND CONDITIONS SHOWN ON THIS AND THE REVERSE SIDE

SHIP TO: IRCON, INC.
7300 N. NATCHEZ AVE.
NILES, IL 60714 USA

IF TAX EXEMPT, PLEASE PROVIDE COPY OF
EXEMPTION OR DIRECT PAYMENT CERTIFICATE.

W.O.# 7314

BOM Number : DN#6436 - IRCON INFRARAIL IRT

SO-LI: 74886*3

Level	Part Number	Description	Quantity	UM	Alt.	MB X	ECO No.	ECO Date	Start Use	End Use
1	DNODNE	DN PRICES	1.0000	EA		M P				
1	C11201-R727	SENSING HEAD FINAL ASSY	1.0000	EA		M P				
2	451323	FIELD STOP .044DIA	1.0000	EA		B	3709	05-17-96		
2	C11201/01	SEE EXTENDED DESCRIPTION	0.0000	EA		M				
2	990300005	RETAINING RING 7/16 OD,.2	1.0000	EA		B	3709	05-17-96		
2	431442	DET. LOCATOR MOD2	1.0000	EA		B	3709	05-17-96		
2	C11209	SH DETECTOR ASSEMBLY (E-S	1.0000	EA		M P	3709	05-17-96		
3	L13354	SH DETECTOR ASSEMBLY E-SE	1.0000	EA		M P				
4	431432	DET. HOLDER MR20 SERIES	1.0000	EA		B	3770	08-21-96		
4	640642	FILTER, BANDPASS	1.0000	EA		B	3770	08-21-96		
4	590672	DET. SI VACTEC 21D459	1.0000	EA		B	3770	08-21-96		
4	560372	CABLE PVC 1 COND SHIELD 2	3.0000	IN		B	3770	08-21-96		
4	312430100	WIRE 24AWG BARE SOLID	1.0000	IN		B	3770	08-21-96		
4	430292	CONN. GASKET 2000 SERIES	1.0000	EA		B	3770	08-21-96		
4	575892	CONN. CIRC 3 RECPT 10SL-3	1.0000	EA		B	3770	08-21-96		
4	490042	SPRING DETECTOR RETAINER	1.0000	EA		B	3770	08-21-96		
4	630092	FOLDING MIRROR SH MROA SE	1.0000	EA		B	3770	08-21-96		
4	490032	SPRING FOLDING MIRROR MOD	1.0000	EA		B	3770	08-21-96		
4	200204130	SCREW #2-56 X 1/8 PH SLOT	1.0000	EA		B	3770	08-21-96		
4	990100016	EPOXY HARDMAN #4001 3-5 M	1.0000	EA		B	3770	08-21-96		
4	3214G00X0	TUBING #14 PVC CLEAR	1.0000	IN		B	3770	08-21-96		
4	3208I1000	BLACK HEAT SHRINK TUBING	1.0000	IN		B				
2	447352	SENSOR, E-HEAD	1.0000	EA		B	3709	05-17-96		
2	610432	EYE LENS FOR A HEAD	1.0000	EA		B	3709	05-17-96		
2	990100004	EPOXY HB FULLER FE 7004	1.0000	EA		B	3709	05-17-96		
2	447372	FIELD STOP, .312 DIA	1.0000	EA		B	3709	05-17-96		
2	447382	FIELD STOP, .437 DIA	1.0000	EA		B	3709	05-17-96		
2	610412	LENS PLANO CONVEX 5" F/L	1.0000	EA		B	3709	05-17-96		
2	431752	O RING 13/16 X 1/16 TH 70	1.0000	EA		B	3709	05-17-96		
2	447362	LENS RING E-HEAD SENSOR	1.0000	EA		B	3709	05-17-96		
2	200412440	SCREW #4-40 X 3/8 FIL SLO	4.0000	EA		B	3709	05-17-96		
2	220403200	WASHER #4 LOCK SPLIT RING	4.0000	EA		B	3709	05-17-96		
2	454152	SCREW, ADJUSTMENT,	1.0000	EA		B	3709	05-17-96		
2	433372	O RING 3/32 X 7/32 X 1/16	1.0000	EA		B	3709	05-17-96		
2	220602200	WASHER #6 LOCK EXT TOOTH	1.0000	EA		B	3709	05-17-96		
2	200606040	SCREW #6-32 X 3/16 PH SLO	1.0000	EA		B	3709	05-17-96		
2	C11201/02	SEE EXTENDED DESCRIPTION	0.0000	EA		M				
2	443502	RETAINING NUT	1.0000	EA		B	3709	05-17-96		
2	477142	LABEL, SERIAL NUMBER, SEN	1.0000	EA		B	3709	05-17-96		
2	474772	LABEL GROUND WARNING	1.0000	EA		B	3709	05-17-96		
2	T-C11201-1	DETERMINE IF CABLE IS REQ	0.0000	EA		B	3709	05-17-96		
2	C11201/03	SEE EXTENDED DESCRIPTION	0.0000	EA		M				
2	999900013	CAP PLUG #SC-1-1/4	1.0000	EA		B	3709	05-17-96		
2	990100028	SEALANT RTV SILICONE BLAC	1.0000	EA		B	3709	05-17-96		
2	999900014	STEM BUMPER 3/8OD .275T	1.0000	EA		B	3709	05-17-96		
1	D11198	PVC-(INT/EXT-E/F SERIES) (	1.0000	EA		M P				
2	560052	CABLE PVC 2 COND 1100/200	1.0000	FT		B	3913	04-02-97		
2	D11198/01	SEE EXTENDED DESCRIPTION	0.0000	EA		M				
2	D11198/02	SEE EXTENDED DESCRIPTION	0.0000	EA		M				
2	D11198/03	SEE EXTENDED DESCRIPTION	8.0000	EA		M				
2	575882	CONN. CIRC 10SL-3 BACKSHE	1.0000	EA		B	3913	04-02-97		

R727

BOM Number : DN#6436 - IRCON INFRARAIL IRT

SO-LI: 74886*3

Level	Part Number	Description	Quantity	UM	Alt.	MB X	ECO No.	ECO Date	Start Use	End Use
2	3210G00X0	TUBING #10 PVC CLEAR	3.0000	IN		B	3913		04-02-97	
2	3212G00X0	TUBING #12 PVC CLEAR	1.0000	IN		B	3913		04-02-97	
2	575902	CONN. CIRC 10SL-3 STR PLU	1.0000	EA		B	3913		04-02-97	
2	3216I1400	TUBING 1/4" SHRINKABLE BL	1.0000	IN		B	3913		04-02-97	
2	990100027	ADHESIVE LOCTITE 272	1.0000	EA		B	3913		04-02-97	
2	C-CABLE	DETERMINE CABLE LENGTH FR	1.0000	EA		M P	3913		04-02-97	
2	477202	LABEL INFRARAIL (2.0" X 0	1.0000	EA		B	3913		04-02-97	
1	U-D11198-C	12 FEET OF CABLE	1.0000	EA		M P				
2	560052	CABLE PVC 2 COND 1100/200	12.0000	FT		B				
1	U-M1-R727	MODULE ASSY. M1 DINRAIL	1.0000	EA		M P				
2	102152011	RES. 21.5K OHM MF 1/4W 1%	1.0000	EA		B				
2	101872011	RES. 18.7K OHM MF 1/4W 1%	1.0000	EA		B				
2	101243011	RES. 124K OHM MF 1/4W 1%	1.0000	EA		B				
2	101402011	RES. 14.0K OHM MF 1/4W 1%	1.0000	EA		B				
2	105622011	RES. 56.2K OHM MF 1/4W 1%	1.0000	EA		B				
2	109761011	RES. 9.76K OHM MF 1/4W 1%	1.0000	EA		B				
2	108872011	RES. 88.7K OHM MF 1/4W 1%	1.0000	EA		B				
2	106491011	RES. 6.49K OHM MF 1/4W 1%	1.0000	EA		B				
2	101433011	RES. 143K OHM MF 1/4W 1%	1.0000	EA		B				
2	104121011	RES. 4.12K OHM MF 1/4W 1%	1.0000	EA		B				
2	102373011	RES. 237K OHM MF 1/4W 1%	1.0000	EA		B				
2	102491011	RES. 2.49K OHM MF 1/4W 1%	1.0000	EA		B				
2	104023011	RES. 402K OHM MF 1/4W 1%	1.0000	EA		B				
2	101431011	RES. 1.43K OHM MF 1/4W 1%	1.0000	EA		B				
2	106983011	RES. 698K OHM MF 1/4W 1%	1.0000	EA		B				
2	108060011	RES. 806 OHM MF 1/4W 1%	1.0000	EA		B				
2	101274011	RES. 1.27M OHM MF 1/4W 1%	1.0000	EA		B				
2	104420011	RES. 442 OHM MF 1/4W 1%	1.0000	EA		B				
2	104640011	RES. 464 OHM MF 1/4W 1%	1.0000	EA		B				
2	102324011	RES. 2.32M OHM MF 1/4W 1%	1.0000	EA		B				
1	D11191	INFRARAIL BOX ASSEMBLY	1.0000	EA		M P				
2	433332	ENCLOSURE, DIN BOX, MODIF	1.0000	EA		B	3671		04-08-96	
2	C11187	POWER SUPPLY/ PEAK-PICKER	1.0000	EA		M P	3671		04-08-96	
3	C20212	SCHEMATIC: POWER SUPPLY/	1.0000	EA		M P	4202		01-14-99	
3	LDN200	PWR SUPPLY/ PP PCB ASSY	1.0000	EA		M P	4202		01-14-99	
4	502505	PCB DIN RAIL POWER PEAK-P	1.0000	EA		B	3769		08-05-96	
4	LDN200/01	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
4	533082	TRAN. MJE800 NPN - DARLIN	1.0000	EA		B	3769		08-05-96	
4	LDN200/02	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
4	LDN200/03	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
4	530882	DIODE 1N4002 GP RECTIFIER	1.0000	EA		B	3769		08-05-96	
4	532952	OP-AMP OP80GP ULTRA LOW B	2.0000	EA		B	3769		08-05-96	
4	532322	IC 4053B ANALOG MUX/DEMUX	1.0000	EA		B	3769		08-05-96	
4	531862	OP-AMP LM346N PROGRAM QUA	1.0000	EA		B	3769		08-05-96	
4	102493011	RES. 249K OHM MF 1/4W 1%	1.0000	EA		B	3769		08-05-96	
4	103321011	RES. 3.32K OHM MF 1/4W 1%	1.0000	EA		B	3769		08-05-96	
4	101820011	RES. 182 OHM MF 1/4W 1%	1.0000	EA		B	3769		08-05-96	
4	104421011	RES. 4.42K OHM MF 1/4W 1%	1.0000	EA		B	3769		08-05-96	
4	106654011	RES. 6.65M OHM MF 1/4W 1%	1.0000	EA		B	3769		08-05-96	
4	104993011	RES. 499K OHM MF 1/4W 1%	1.0000	EA		B	3769		08-05-96	
4	104021011	RES. 4.02K OHM MF 1/4W 1%	1.0000	EA		B	3769		08-05-96	

BOM Number : DN#6436 - IRCON INFRARAIL IRT

SO-LI: 74886*3

Level	Part Number	Description	Quantity	UM	Alt.	MB X	ECO No.	ECO Date	Start Use	End Use
4	105364011	RES. 5.36M OHM MF 1/4W 1%	2.0000	EA		B	3769	08-05-96		
4	103480011	RES. 348 OHM MF 1/4W 1%	1.0000	EA		B	3769	08-05-96		
4	100000990	JUMPER DUMMY RESISTOR	5.0000	EA		B	3769	08-05-96		
4	101000011	RES. 100 OHM MF 1/4W 1%	1.0000	EA		B	3769	08-05-96		
4	101003011	RES. 100K OHM MF 1/4W 1%	1.0000	EA		B	3769	08-05-96		
4	101004011	RES. 1.00M OHM MF 1/4W 1%	4.0000	EA		B	3769	08-05-96		
4	102003011	RES. 200K OHM MF 1/4W 1%	2.0000	EA		B	3769	08-05-96		
4	104991011	RES. 4.99K OHM MF 1/4W 1%	1.0000	EA		B	3769	08-05-96		
4	101503011	RES. 150K OHM MF 1/4W 1%	1.0000	EA		B				
4	530572	DIODE 1N4446 SWITCHING	2.0000	EA		B	3769	08-05-96		
4	530532	DIODE FD300 GENERAL PURPO	1.0000	EA		B	3769	08-05-96		
4	521852	CAP. 0.68 MFD 50V CERAMIC	1.0000	EA		B	3769	08-05-96		
4	521972	CAP. .047 MFD 50V CER X7	1.0000	EA		B	3769	08-05-96		
4	521072	CAP. 22MFD 16V TANT 10%	2.0000	EA		B	3769	08-05-96		
4	551122	CHOKER 9250-122 1.2 UH, .1	2.0000	EA		B	3769	08-05-96		
4	521902	CAP. NPO 1000pf 200V .2LS	1.0000	EA		B	3769	08-05-96		
4	521862	CAP. 3.3 MFD 50V CERAMC X	1.0000	EA		B	3769	08-05-96		
4	521872	CAP. 1.0 MFD 50V CERAMIC	5.0000	EA		B	3769	08-05-96		
4	522002	CAP. .01 MFD 200V CERAMIC	6.0000	EA		B	3769	08-05-96		
4	531892	REG. LM317LZ +1.2/37V ADJ	1.0000	EA		B	3769	08-05-96		
4	431902	BIVAR PERMO PAD 0.250 DIA	1.0000	EA		B	3769	08-05-96		
4	530862	TRAN. 2N2222A NPN MED POW	1.0000	EA		B	3769	08-05-96		
4	551152	INDUCTOR 100UH +/-10% IMS	2.0000	EA		B	3769	08-05-96		
4	531882	DIODE LM385BZ-2.5 2.5V RE	6.0000	EA		B	3769	08-05-96		
4	575602	CONN. HDR AMP STRAIGHT 5	1.0000	EA		B	3769	08-05-96		
4	574592	CONN. HDR AMP STRAIGHT 4	1.0000	EA		B	3769	08-05-96		
4	LDN200/04	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
4	572732	HEADER SNGL 36 PIN .1 CNT	11.0000	EA		B	3769	08-05-96		
4	LDN200/05	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
2	C11186	PREAMP/ LINEARIZER PCB AS	1.0000	EA		M P	3671	04-08-96		
3	C20211	SCHEMATIC: PREAMP/ LINEAR	1.0000	EA		M P	3659	04-12-96		
3	LDN100	PREAMP/ LIN PCB ASSY INFR	1.0000	EA		M P	3659	04-12-96		
4	502493	PCB DIN RAIL LINEARIZER	1.0000	EA		B	3767	08-07-96		
4	LDN100/01	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
4	LDN100/02	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
4	532982	OP-AMP AD548CQ LOW PWR BI	1.0000	EA		B	3767	08-07-96		
4	531862	OP-AMP LM346N PROGRAM QUA	2.0000	EA		B	3767	08-07-96		
4	532992	OP-AMP OP490EY LOW VOLT Q	1.0000	EA		B	3767	08-07-96		
4	530532	DIODE FD300 GENERAL PURPO	16.0000	EA		B	3767	08-07-96		
4	514632	RES. 330K NETWORK 10 PIN	2.0000	EA		B	3767	08-07-96		
4	514642	RES. 330K NETWORK 10 PIN	2.0000	EA		B	3767	08-07-96		
4	104533011	RES. 453K OHM MF 1/4W 1%	1.0000	EA		B	3767	08-07-96		
4	1010R0011	RES. 10.0 OHM MF 1/4W 1%	1.0000	EA		B	3767	08-07-96		
4	102743011	RES. 274K OHM MF 1/4W 1%	1.0000	EA		B	3767	08-07-96		
4	102103011	RES. 210K OHM MF 1/4W 1%	1.0000	EA		B	3767	08-07-96		
4	105364011	RES. 5.36M OHM MF 1/4W 1%	4.0000	EA		B	3767	08-07-96		
4	101002011	RES. 10.0K OHM MF 1/4W 1%	1.0000	EA		B	3767	08-07-96		
4	101003011	RES. 100K OHM MF 1/4W 1%	1.0000	EA		B	3767	08-07-96		
4	102003011	RES. 200K OHM MF 1/4W 1%	2.0000	EA		B	3767	08-07-96		
4	101000011	RES. 100 OHM MF 1/4W 1%	2.0000	EA		B	3767	08-07-96		
4	100000990	JUMPER DUMMY RESISTOR	1.0000	EA		B	3767	08-07-96		

BOM Number : DN#6436 - IRCON INFRARAIL IRT

SO-LI: 74886*3

Level	Part Number	Description	Quantity	UM	Alt.	MB X	ECO No.	ECO Date	Start Use	End Use
4	551122	CHOKE 9250-122 1.2 UH, .1	1.0000	EA		B	3767		08-07-96	
4	540412	FERRITE BEAD ON LEAD AXIA	3.0000	EA		B	3767		08-07-96	
4	522002	CAP. .01 MFD 200V CERAMIC	7.0000	EA		B	3767		08-07-96	
4	521902	CAP. NPO 1000pf 200V .2LS	2.0000	EA		B	3767		08-07-96	
4	521932	CAP. 100 PF COG 200V	1.0000	EA		B	3767		08-07-96	
4	521962	CAP. 10PF NPO 200V .2LS	2.0000	EA		B	3767		08-07-96	
4	514612	POT. 50K 25T 1/2W 10%	1.0000	EA		B	3767		08-07-96	
4	514242	POT. 25K OHM 25T 1/2W 10%	1.0000	EA		B	3767		08-07-96	
4	514622	POT. 100K 25T 1/2W 10%	1.0000	EA		B	3767		08-07-96	
4	574922	CONN. HDR AMP STRAIGHT 3	1.0000	EA		B	3767		08-07-96	
4	LDN100/03	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
4	574432	SOCKET 40 POS DIP .5HT EL	1.0000	EA		B	3767		08-07-96	
4	LDN100/04	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
4	526002	CAP. SMC 330PF NPO 50V 5%	1.0000	EA		B	3767		08-07-96	
4	572732	HEADER SNGL 36 PIN .1 CNT	11.0000	EA		B	3767		08-07-96	
4	LDN100/05	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
2	C11193	PCB INTERCONNECT ASSEMBLY	1.0000	EA		M P	3671		04-08-96	
3	LDN300	PCB INTERCONN ASSY (INFRA	1.0000	EA		M P				
4	502533	PCB DIN RAIL POWER PEAK-P	1.0000	EA		B	3721		08-01-96	
4	575922	CONN. FEMALE 11 POSITION	2.0000	EA		B	3721		08-01-96	
2	477112	LABEL, COVER, DIN BOX	1.0000	EA		B	3671		04-08-96	
2	C11190	DECAY RATE POT/ CONNECTOR	1.0000	EA		M P	3671		04-08-96	
3	LDN003	DECAY RATE POT/ CONN. ASS	1.0000	EA		M P	4030		10-08-97	
4	514592	POT. 50K OHM 1T 1/2W 10%	1.0000	EA		B				
4	LDN003/01	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
4	302479000	WIRE 24AWG VIO/WHITE STRA	1.0000	IN		B				
4	302409000	WIRE 24AWG BLK/WHITE STRA	1.0000	IN		B				
4	302459000	WIRE 24AWG GRN/WHITE STRA	1.0000	IN		B				
4	574662	CONN. CONTACT 20-24 AWG C	3.0000	EA		B				
4	574692	CONN. HOUSING 5 POSITION-	1.0000	EA		B				
2	C11189	RESPONSE TIME POT/ CONN	1.0000	EA		M P	3671		04-08-96	
3	LDN002	RESP. TIME POT/ CONN. ASS	1.0000	EA		M P				
4	514602	POT. 5M OHM 1T 1/2W 20% P	1.0000	EA		B				
4	302440000	WIRE 24AWG YEL/BLACK STRA	1.0000	IN		B				
4	302460000	WIRE 24AWG BLU/BLACK STRA	1.0000	IN		B				
4	302430000	WIRE 24AWG ORG/BLACK STRA	1.0000	IN		B				
4	574662	CONN. CONTACT 20-24 AWG C	3.0000	EA		B				
4	574682	CONN. HOUSING 4 POSITION-	1.0000	EA		B				
2	C11188	EMISSIVITY POT/ CONNECTOR	1.0000	EA		M P	3671		04-08-96	
3	LDN001	EMISSIVITY POT/ CONN. ASS	1.0000	EA		M P	3767		08-07-96	
4	513722	POT. 100K 2 DIGIT 1% DIGI	1.0000	EA		B	3767		08-07-96	
4	30245X000	WIRE 24AWG GREEN STRANDED	1.0000	IN		B	3767		08-07-96	
4	30249X000	WIRE 24AWG WHITE STRANDED	1.0000	IN		B	3767		08-07-96	
4	30246X000	WIRE 24AWG BLUE STRANDED	1.0000	IN		B	3767		08-07-96	
4	574662	CONN. CONTACT 20-24 AWG C	3.0000	EA		B	3767		08-07-96	
4	574672	CONN. HOUSING 3 POSITION-	1.0000	EA		B	3767		08-07-96	
4	477212	LABEL - CLEAR WINDOW	1.0000	EA		B	3767		08-07-96	
2	575852	KNOB, 9MM COLLET TYPE,	2.0000	EA		B	3671		04-08-96	
2	575872	POINTER, 9MM COLLET TYPE	2.0000	EA		B	3671		04-08-96	
2	575862	CAP. 9MM COLLET TYPE KNOB	2.0000	EA		B	3671		04-08-96	
2	C11194	MODULE ASSEMBLY - M1 - (I	1.0000	EA		M P	3671		04-08-96	

BOM Number : DN#6436 - IRCON INFRARAIL IRT

SO-LI: 74886*3

.....Level.....	..Part Number..	.....Description.....	.Quantity.	.UM.	Alt.	MB X	.ECO No.	ECO Date	StartUse	End Use.
3	573912	HEADER 40 PIN DIP .6 CENT	1.0000	EA		B				
3	T-C11194-1	SELECT "M1" MODULE VALUES	0.0000	EA		B				
3	T-C11194-3	GT M1 MODULE VALUES	0.0000	EA		B				
2	575912	CONN. KEYING ELEMENT (DN-	2.0000	EA		B	3671	04-08-96		
2	477132	LABEL, SERIAL NUMBER, DIN	1.0000	EA		B	3671	04-08-96		
2	477122	LABEL, DIN BOX, INFRARAIL	1.0000	EA		B	3671	04-08-96		
2	574082	TERM. BLOCK JUMPER QUICK	1.0000	EA		B	3671	04-08-96		
2	LDNKIT	MTG CLIP KIT FOR INFRARAI	1.0000	EA		M P	3671	04-08-96		
3	990300010	CLIP MTG FOR DIN BOX	2.0000	EA		B	3694	04-17-96		
3	LDNKIT/01	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
2	477182	LABEL-CE MARK (PRODUCTS)	1.0000	EA		B	3671	04-08-96		



Acknowledgment

IRCON, INC T 847-967-5151
 7300 North Natchez Ave T 800-323-7660
 Niles, Illinois 60714 USA F 847-647-0948

ORDER DATE: 29 SEP 2006

REV: DATE:

Customer No. 100426

SOLD TO

SHIP TO

PVA TEPLA AG
 EMMELIUSSTRASSE 33
 ASSLAR, 35614
 GERMANY

IRCON B.V.
 DATABANKWEG 6 C
 3821 AL AMERSFOORT
 THE NETHERLANDS

SPECIAL SHIPPING INSTRUCTIONS

OUR ORDER No.		YOUR PO No.		F.O.B.			TAX
92117		1607		ORIGIN			Resale
SHIP VIA		TERMS		DATE REQUESTED	SALES REPRESENTATIVE		
UPS SCS		0.00/0/180		10-13-06	1001 (100.00)		
LI	PART NO.	PRODUCT/DESCRIPTION	QTY	UNIT PRICE	DISC	NET PRICE	EXTENSION
1	DN#31512 <i>W.O.# 22504</i>	DN_DNE31-13C <i>DNE99-99C</i> IRCON INFRARAIL IRT SYSTEM-COMplete Consists of the following: 1.0000 - INFRARAIL 1.0000 - DN - E SERIES 1.0000 - Std Cbl Lgth 4 meters. 12ft 1.0000 - D/100 RESOLUTION (E) 1.0000 - 800-1300C <i>Redo Spec No R727 Temp range 1000 to 1700C D/50 resolution.</i>	1	623.45	0.0	623.45	623.45
2	MOD-CHARGES	MODIFICATION OF PRODUCT	1	77.93	0.0	77.93	77.93
THIS ORDER IS ACCEPTED SUBJECT TO TERMS AND CONDITIONS SHOWN ON THIS AND THE REVERSE SIDE					GRAND TOTAL		ECU701.38

SHIP TO: IRCON, INC.
 7300 N. NATCHEZ AVE.
 NILES, IL 60714 USA

IF TAX EXEMPT, PLEASE PROVIDE COPY OF
 EXEMPTION OR DIRECT PAYMENT CERTIFICATE



IRCON, INC.
7300 North Natchez Avenue
Niles, Illinois 60714 USA

Telephone 847-967-5151
Toll Free 800-323-7660
Fax 847-647-0948

ISO 9001/OS 9000 TE
Quality Systems Certified

Modified Standard Product
Data Form

A modified standard product is a product that is based on a standard product found in the most recent price list. The modifications maybe items such as; temperature ranges, output types, resolution, response time and optical issues. A modified standard product form is to be completed and submitted to Steve Schumm and Gene Kalley for review and approval based on the modification (which we have done before). If the modification has not been done before, the approval will require the entire senior management team's approval BEFORE QUOTING. A modified standard product if approved; this product will become a price listed standard product. We can then pay commission as outlined in our most recent contract.

- Standard Product is a Model Number: DNE31-13C
- Standard Product List Price: \$ 900
- The product change requested would be: Redo R 727, 1000 & 1900 C
D/50 Res at 5 inch Sales will attach specifics to this form.
- The market is willing to pay \$100 for this product (total including standard price).
- What is engineering's expected time investment and cost: 1 hour Man Days
\$ 10000
- What is production's expected purchasing and production time requirement: Days
- This new product has potential in the following application and estimated potential per year would be per year.

- This product will be not be quoted and produced as previously outlined.
- Agreed on this date of By production/purchasing
By engineering A-DONADO 10/5/06
- Sales can now quote this project for \$ per unit. W.O.# 22504
 lead time.

 Add to standard product list in literature (Maxine)
 Add to price list (Vern)
cc/ Greg P, Paul V, Regional Sales Staff Globally

W.O.# 22504

Number :DN#31512 - IRCON INFRARAIL IRT SO-LI: 92117*1

Level	Part Number	Description	Quantity	UM	Alt.	MB X	ECO No.	ECO Date	Start Use	End Use
1	DNODNE	DN PRICES	1.0000	EA		M P				
1	C11201-R727	SENSING HEAD FINAL ASSY	1.0000	EA		M P				
2	451323	FIELD STOP .044DIA	1.0000	EA		B	3709	05-17-1996		
2	C11201/01	SEE EXTENDED DESCRIPTION	0.0000	EA		M				
2	990300005	RETAINING RING 7/16 OD,.2	1.0000	EA		B	3709	05-17-1996		
2	431442	DET. LOCATOR MOD2	1.0000	EA		B	3709	05-17-1996		
2	C11209	SH DETECTOR ASSEMBLY (E-S	1.0000	EA		M P	3709	05-17-1996		
3	L13354	SH DETECTOR ASSEMBLY E-SE	1.0000	EA		M P				
4	431432	DET. HOLDER MR20 SERIES	1.0000	EA		B	3770	08-21-1996		
4	640642	FILTER, BANDPASS	1.0000	EA		B	3770	08-21-1996		
4	590672	DET. SI VACTEC 21D459	1.0000	EA		B	3770	08-21-1996		
4	560372	CABLE PVC 1 COND SHIELD 2	3.0000	IN		B	3770	08-21-1996		
4	312430100	WIRE 24AWG BARE SOLID	1.0000	IN		B	3770	08-21-1996		
4	430292	CONN. GASKET 2000 SERIES	1.0000	EA		B	3770	08-21-1996		
4	575892	CONN. CIRC 3 RECPT 10SL-3	1.0000	EA		B	3770	08-21-1996		
4	490042	SPRING DETECTOR RETAINER	1.0000	EA		B	3770	08-21-1996		
4	630092	FOLDING MIRROR SH MROA SE	1.0000	EA		B	3770	08-21-1996		
4	490032	SPRING FOLDING MIRROR MOD	1.0000	EA		B	3770	08-21-1996		
4	200204130	SCREW #2-56 X 1/8 PH SLOT	1.0000	EA		B	3770	08-21-1996		
4	990100016	EPOXY HARDMAN #4001 3-5 M	1.0000	EA		B	3770	08-21-1996		
4	3214G00X0	TUBING #14 PVC CLEAR	1.0000	IN		B	3770	08-21-1996		
4	3208I1000	BLACK HEAT SHRINK TUBING	1.0000	IN		B				
2	447352	SENSOR, E-HEAD	1.0000	EA		B	3709	05-17-1996		
2	610432	EYE LENS FOR A HEAD	1.0000	EA		B	3709	05-17-1996		
2	990100002	EPOXY HARDMAN #4005 GEN P	1.0000	EA		B	3709	05-17-1996		
2	447372	FIELD STOP, .312 DIA	1.0000	EA		B	3709	05-17-1996		
2	447382	FIELD STOP, .437 DIA	1.0000	EA		B	3709	05-17-1996		
2	610412	LENS PLANO CONVEX 5" F/L	1.0000	EA		B	3709	05-17-1996		
2	431752	O RING 13/16 X 1/16 TH 70	1.0000	EA		B	3709	05-17-1996		
2	447362	LENS RING E-HEAD SENSOR	1.0000	EA		B	3709	05-17-1996		
2	200412440	SCREW #4-40 X 3/8 FIL SLO	4.0000	EA		B	3709	05-17-1996		
2	220403200	WASHER #4 LOCK SPLIT RING	4.0000	EA		B	3709	05-17-1996		
2	454152	SCREW, ADJUSTMENT,	1.0000	EA		B	3709	05-17-1996		
2	433372	O RING 3/32 X 7/32 X 1/16	1.0000	EA		B	3709	05-17-1996		
2	220602200	WASHER #6 LOCK EXT TOOTH	1.0000	EA		B	3709	05-17-1996		
2	200606040	SCREW #6-32 X 3/16 PH SLO	1.0000	EA		B	3709	05-17-1996		
2	C11201/02	SEE EXTENDED DESCRIPTION	0.0000	EA		M				
2	443502	RETAINING NUT	1.0000	EA		B	3709	05-17-1996		
2	477142	LABEL, SERIAL NUMBER, SEN	1.0000	EA		B	3709	05-17-1996		
2	474772	LABEL GROUND WARNING	1.0000	EA		B	3709	05-17-1996		
2	T-C11201-1	DETERMINE IF CABLE IS REQ	0.0000	EA		B	3709	05-17-1996		
2	C11201/03	SEE EXTENDED DESCRIPTION	0.0000	EA		M				
2	999900013	CAP PLUG #SC-1-1/4	1.0000	EA		B	3709	05-17-1996		
2	990100028	SEALANT RTV SILICONE BLAC	1.0000	EA		B	3709	05-17-1996		
2	999900014	STEM BUMPER 3/8OD .275T	1.0000	EA		B	3709	05-17-1996		
1	D11198	PVC-(INT/EXT-E/F SERIES)(	1.0000	EA		M P				
2	560052	CABLE PVC 2 COND 1100/200	1.0000	FT		B	3913	04-02-1997		
2	D11198/01	SEE EXTENDED DESCRIPTION	0.0000	EA		M				
2	D11198/02	SEE EXTENDED DESCRIPTION	0.0000	EA		M				
2	D11198/03	SEE EXTENDED DESCRIPTION	8.0000	EA		M				
2	575882	CONN. CIRC 10SL-3 BACKSHE	1.0000	EA		B	3913	04-02-1997		
2	3210G00X0	TUBING #10 PVC CLEAR	3.0000	IN		B	3913	04-02-1997		
2	3212G00X0	TUBING #12 PVC CLEAR	1.0000	IN		B	3913	04-02-1997		
2	575902	CONN. CIRC 10SL-3 STR PLU	1.0000	EA		B	3913	04-02-1997		
2	3216I1400	TUBING 1/4" SHRINKABLE BL	1.0000	IN		B	3913	04-02-1997		
2	990100027	ADHESIVE LOCTITE 272	1.0000	EA		B	3913	04-02-1997		
2	C-CABLE	DETERMINE CABLE LENGTH FR	1.0000	EA		M P	3913	04-02-1997		
2	477202	LABEL INFRARAIL (2.0" X 0	1.0000	EA		B	3913	04-02-1997		
1	U-D11198-C	12 FEET OF CABLE	1.0000	EA		M P				
2	560052	CABLE PVC 2 COND 1100/200	12.0000	FT		B				
1	U-M1-R727	MODULE ASSY. M1 DINRAIL	1.0000	EA		M P				
2	102152011	RES. 21.5K OHM MF 1/4W 1%	1.0000	EA		B				
2	101872011	RES. 18.7K OHM MF 1/4W 1%	1.0000	EA		B				
2	101243011	RES. 124K OHM MF 1/4W 1%	1.0000	EA		B				
2	101402011	RES. 14.0K OHM MF 1/4W 1%	1.0000	EA		B				
2	105622011	RES. 56.2K OHM MF 1/4W 1%	1.0000	EA		B				
2	109761011	RES. 9.76K OHM MF 1/4W 1%	1.0000	EA		B				
2	108872011	RES. 88.7K OHM MF 1/4W 1%	1.0000	EA		B				

R727

Number :DN#31512 - IRCON INFRARAIL IRT SO-LI: 92117*1

Level	Part Number	Description	Quantity	UM	Alt	MB X	ECO No.	ECO Date	Start Use	End Use
2	106491011	RES. 6.49K OHM MF 1/4W 1%	1.0000	EA		B				
2	101433011	RES. 143K OHM MF 1/4W 1%	1.0000	EA		B				
2	104121011	RES. 4.12K OHM MF 1/4W 1%	1.0000	EA		B				
2	102373011	RES. 237K OHM MF 1/4W 1%	1.0000	EA		B				
2	102491011	RES. 2.49K OHM MF 1/4W 1%	1.0000	EA		B				
2	104023011	RES. 402K OHM MF 1/4W 1%	1.0000	EA		B				
2	101431011	RES. 1.43K OHM MF 1/4W 1%	1.0000	EA		B				
2	106983011	RES. 698K OHM MF 1/4W 1%	1.0000	EA		B				
2	108060011	RES. 806 OHM MF 1/4W 1%	1.0000	EA		B				
2	101274011	RES. 1.27M OHM MF 1/4W 1%	1.0000	EA		B				
2	104420011	RES. 442 OHM MF 1/4W 1%	1.0000	EA		B				
2	104640011	RES. 464 OHM MF 1/4W 1%	1.0000	EA		B				
2	102324011	RES. 2.32M OHM MF 1/4W 1%	1.0000	EA		B				
1	D11191	INFRARAIL BOX ASSEMBLY	1.0000	EA		M P				
2	433332	ENCLOSURE, DIN BOX, MODIF	1.0000	EA		B	3671	04-08-1996		
2	C11187	POWER SUPPLY/ PEAK-PICKER	1.0000	EA		M P	3671	04-08-1996		
3	C20212	SCHEMATIC: POWER SUPPLY/	1.0000	EA		M P	4202	01-14-1999		
3	LDN200	PWR SUPPLY/ PP PCB ASSY	1.0000	EA		M P	4202	01-14-1999		
4	502505	PCB DIN RAIL POWER PEAK-P	1.0000	EA		B	3769	08-05-1996		
4	LDN200/01	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
4	533082	TRAN. MJE800 NPN - DARLIN	1.0000	EA		B	3769	08-05-1996		
4	LDN200/02	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
4	LDN200/03	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
4	530882	DIODE 1N4002 GP RECTIFIER	1.0000	EA		B	3769	08-05-1996		
4	532952	OP-AMP ULTRA LOW BIAS	2.0000	EA		B	3769	08-05-1996		
4	532322	IC 4053B ANALOG MUX/DEMUX	1.0000	EA		B	4842	07-31-2002		
4	531862	OP-AMP LM346N PROGRAM QUA	1.0000	EA		B	3769	08-05-1996		
4	102493011	RES. 249K OHM MF 1/4W 1%	1.0000	EA		B	3769	08-05-1996		
4	103321011	RES. 3.32K OHM MF 1/4W 1%	1.0000	EA		B	3769	08-05-1996		
4	101820011	RES. 182 OHM MF 1/4W 1%	1.0000	EA		B	3769	08-05-1996		
4	104421011	RES. 4.42K OHM MF 1/4W 1%	1.0000	EA		B	3769	08-05-1996		
4	106654011	RES. 6.65M OHM MF 1/4W 1%	1.0000	EA		B	3769	08-05-1996		
4	104993011	RES. 499K OHM MF 1/4W 1%	1.0000	EA		B	3769	08-05-1996		
4	104021011	RES. 4.02K OHM MF 1/4W 1%	1.0000	EA		B	3769	08-05-1996		
4	105364011	RES. 5.36M OHM MF 1/4W 1%	2.0000	EA		B	3769	08-05-1996		
4	103480011	RES. 348 OHM MF 1/4W 1%	1.0000	EA		B	3769	08-05-1996		
4	100000990	JUMPER DUMMY RESISTOR	5.0000	EA		B	3769	08-05-1996		
4	101000011	RES. 100 OHM MF 1/4W 1%	1.0000	EA		B	3769	08-05-1996		
4	101003011	RES. 100K OHM MF 1/4W 1%	1.0000	EA		B	3769	08-05-1996		
4	101004011	RES. 1.00M OHM MF 1/4W 1%	4.0000	EA		B	3769	08-05-1996		
4	102003011	RES. 200K OHM MF 1/4W 1%	2.0000	EA		B	3769	08-05-1996		
4	104991011	RES. 4.99K OHM MF 1/4W 1%	1.0000	EA		B	3769	08-05-1996		
4	101503011	RES. 150K OHM MF 1/4W 1%	1.0000	EA		B				
4	530572	DIODE 1N4446 SWITCHING	2.0000	EA		B	4906	05-19-2003		
4	530532	DIODE FD300 GENERAL PURPO	1.0000	EA		B	3769	08-05-1996		
4	521852	CAP. 0.68 MFD 50V CERAMIC	1.0000	EA		B	3769	08-05-1996		
4	521972	CAP. .047 MFD 50V CER X7	1.0000	EA		B	3769	08-05-1996		
4	521072	CAP. 22MFD 16V TANT 10%	2.0000	EA		B	3769	08-05-1996		
4	551122	CHOKER 9250-122 1.2 UH, .1	2.0000	EA		B	3769	08-05-1996		
4	521902	CAP. NPO 1000pf 200V .2LS	1.0000	EA		B	3769	08-05-1996		
4	521862	CAP. 3.3 MFD 50V CERAMC X	1.0000	EA		B	3769	08-05-1996		
4	521872	CAP. 1.0 MFD 50V CERAMIC	5.0000	EA		B	3769	08-05-1996		
4	522002	CAP. .01 MFD 200V CERAMIC	6.0000	EA		B	3769	08-05-1996		
4	531892	REG. LM317LZ +1.2/37V ADJ	1.0000	EA		B	3769	08-05-1996		
4	431902	BIVAR PERMO PAD 0.250 DIA	1.0000	EA		B	3769	08-05-1996		
4	530862	TRAN. 2N2222A NPN MED POW	1.0000	EA		B	3769	08-05-1996		
4	551152	INDUCTOR 100UH +/-10% IMS	2.0000	EA		B	3769	08-05-1996		
4	531882	DIODE LM385BZ-2.5 2.5V RE	6.0000	EA		B	3769	08-05-1996		
4	575602	CONN. HDR AMP STRAIGHT 5	1.0000	EA		B	3769	08-05-1996		
4	574592	CONN. HDR AMP STRAIGHT 4	1.0000	EA		B	3769	08-05-1996		
4	LDN200/04	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
4	572732	HEADER SNGL 36 PIN .1 CNT	11.0000	EA		B	3769	08-05-1996		
4	LDN200/05	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
2	C11186	PREAMP/ LINEARIZER PCB AS	1.0000	EA		M P	3671	04-08-1996		
3	C20211	SCHEMATIC: PREAMP/ LINEAR	1.0000	EA		M P	4785	03-05-2002		
3	LDN100	PREAMP/ LIN PCB ASSY INFR	1.0000	EA		M P	3659	04-12-1996		
4	502493	PCB DIN RAIL LINEARIZER	1.0000	EA		B	3767	08-07-1996		
4	LDN100/01	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				

Number :DN#31512 - IRCON INFRARAIL IRT SO-LI: 92117*1

Level	Part Number	Description	Quantity	UM	Alt.	MB X	ECO No.	ECO Date	Start Use	End Use
				UM						
4	LDN100/02	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
4	532982	OP-AMP AD548CQ LOW PWR	1.0000	EA		B	3767	08-07-1996		
4	531862	OP-AMP LM346N PROGRAM QUA	3.0000	EA		B	3767	08-07-1996		
4	530532	DIODE FD300 GENERAL PURPO	16.0000	EA		B	3767	08-07-1996		
4	514632	RES. 330K NETWORK 10 PIN	2.0000	EA		B	3767	08-07-1996		
4	514642	RES. 330K NETWORK 10 PIN	2.0000	EA		B	3767	08-07-1996		
4	104533011	RES. 453K OHM MF 1/4W 1%	1.0000	EA		B	3767	08-07-1996		
4	1010R0011	RES. 10.0 OHM MF 1/4W 1%	1.0000	EA		B	3767	08-07-1996		
4	102743011	RES. 274K OHM MF 1/4W 1%	1.0000	EA		B	3767	08-07-1996		
4	102103011	RES. 210K OHM MF 1/4W 1%	1.0000	EA		B	3767	08-07-1996		
4	105364011	RES. 5.36M OHM MF 1/4W 1%	6.0000	EA		B	3767	08-07-1996		
4	101002011	RES. 10.0K OHM MF 1/4W 1%	1.0000	EA		B	3767	08-07-1996		
4	101003011	RES. 100K OHM MF 1/4W 1%	1.0000	EA		B	3767	08-07-1996		
4	102003011	RES. 200K OHM MF 1/4W 1%	2.0000	EA		B	3767	08-07-1996		
4	101000011	RES. 100 OHM MF 1/4W 1%	2.0000	EA		B	3767	08-07-1996		
4	100000990	JUMPER DUMMY RESISTOR	1.0000	EA		B	3767	08-07-1996		
4	551122	CHOKO 9250-122 1.2 UH, .1	1.0000	EA		B	3767	08-07-1996		
4	540412	FERRITE BEAD ON LEAD AXIA	3.0000	EA		B	3767	08-07-1996		
4	522002	CAP. .01 MFD 200V CERAMIC	7.0000	EA		B	3767	08-07-1996		
4	521902	CAP. NPO 1000pf 200V .2LS	2.0000	EA		B	3767	08-07-1996		
4	521932	CAP. 100 PF COG 200V	1.0000	EA		B	3767	08-07-1996		
4	521962	CAP. 10Pf NPO 200V .2LS	2.0000	EA		B	3767	08-07-1996		
4	514612	POT. 50K 25T 1/2W 10%	1.0000	EA		B	3767	08-07-1996		
4	514242	POT. 25K OHM 25T 1/2W 10%	1.0000	EA		B	3767	08-07-1996		
4	514622	POT. 100K 25T 1/2W 10%	1.0000	EA		B	3767	08-07-1996		
4	574922	CONN. HDR AMP STRAIGHT 3	1.0000	EA		B	3767	08-07-1996		
4	LDN100/03	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
4	574432	SOCKET 40 POS DIP .5HT EL	1.0000	EA		B	3767	08-07-1996		
4	LDN100/04	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
4	526002	CAP. SMC 330Pf NPO 50V 5%	1.0000	EA		B	3767	08-07-1996		
4	572732	HEADER SNGL 36 PIN .1 CNT	11.0000	EA		B	3767	08-07-1996		
4	LDN100/05	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
2	C11193	PCB INTERCONNECT ASSEMBLY	1.0000	EA		M P	3671	04-08-1996		
3	LDN300	PCB INTERCONN ASSY (INFRA	1.0000	EA		M P				
4	502533	PCB DIN RAIL POWER PEAK-P	1.0000	EA		B	3721	08-01-1996		
4	575922	CONN. FEMALE 11 POSITION	2.0000	EA		B	3721	08-01-1996		
2	477112	LABEL, COVER, DIN BOX	1.0000	EA		B	4909	06-11-2003		
2	C11190	DECAY RATE POT/ CONNECTOR	1.0000	EA		M P	3671	04-08-1996		
3	LDN003	DECAY RATE POT/ CONN. ASS	1.0000	EA		M P	4030	10-08-1997		
4	514592	POT. 50K OHM 1T 1/2W 10%	1.0000	EA		B				
4	LDN003/01	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
4	302479000	WIRE 24AWG VIO/WHITE STRA	1.0000	IN		B				
4	302409000	WIRE 24AWG BLK/WHITE STRA	1.0000	IN		B				
4	302459000	WIRE 24AWG GRN/WHITE STRA	1.0000	IN		B				
4	574662	CONN. CONTACT 20-24 AWG C	3.0000	EA		B				
4	574692	CONN. HOUSING 5 POSITION-	1.0000	EA		B				
2	C11189	RESPONSE TIME POT/ CONN	1.0000	EA		M P	3671	04-08-1996		
3	LDN002	RESP. TIME POT/ CONN. ASS	1.0000	EA		M P				
4	514602	POT. 5M OHM 1T 1/2W 20% P	1.0000	EA		B				
4	302440000	WIRE 24AWG YEL/BLACK STRA	1.0000	IN		B				
4	302460000	WIRE 24AWG BLU/BLACK STRA	1.0000	IN		B				
4	302430000	WIRE 24AWG ORG/BLACK STRA	1.0000	IN		B				
4	574662	CONN. CONTACT 20-24 AWG C	3.0000	EA		B				
4	574682	CONN. HOUSING 4 POSITION-	1.0000	EA		B				
2	C11188	EMISSIVITY POT/ CONNECTOR	1.0000	EA		M P	3671	04-08-1996		
3	LDN001	EMISSIVITY POT/ CONN. ASS	1.0000	EA		M P	3767	08-07-1996		
4	513722	POT. 100K 2 DIGIT 1% DIGI	1.0000	EA		B	3767	08-07-1996		
4	30245X000	WIRE 24AWG GREEN STRANDED	1.0000	IN		B	3767	08-07-1996		
4	30249X000	WIRE 24AWG WHITE STRANDED	1.0000	IN		B	3767	08-07-1996		
4	30246X000	WIRE 24AWG BLUE STRANDED	1.0000	IN		B	3767	08-07-1996		
4	574662	CONN. CONTACT 20-24 AWG C	3.0000	EA		B	3767	08-07-1996		
4	574672	CONN. HOUSING 3 POSITION-	1.0000	EA		B	3767	08-07-1996		
4	477212	LABEL - CLEAR WINDOW	1.0000	EA		B	3767	08-07-1996		
2	575852	KNOB, 9MM COLLET TYPE,	2.0000	EA		B	3671	04-08-1996		
2	575872	POINTER, 9MM COLLET TYPE	2.0000	EA		B	3671	04-08-1996		
2	575862	CAP. 9MM COLLET TYPE KNOB	2.0000	EA		B	3671	04-08-1996		
2	C11194	MODULE ASSEMBLY - M1 - (I	1.0000	EA		M P	3671	04-08-1996		
3	573912	HEADER 40 PIN DIP .6 CENT	1.0000	EA		B				

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Level	Part Number	Description	Quantity	UM	Alt	MB X	ECO No.	ECO Date	Start Use	End Use
3	T-C11194-1	SELECT "M1" MODULE VALUES	0.0000	EA		B				
3	T-C11194-3	GT M1 MODULE VALUES	0.0000	EA		B				
2	575912	CONN. KEYING ELEMENT (DN-	2.0000	EA		B	3671	04-08-1996		
2	477132	LABEL, SERIAL NUMBER, DIN	1.0000	EA		B	3671	04-08-1996		
2	477122	LABEL, DIN BOX, INFRARAIL	1.0000	EA		B	3671	04-08-1996		
2	574082	TERM. BLOCK JUMPER QUICK	1.0000	EA		B	3671	04-08-1996		
2	LDNKIT	MTG CLIP KIT FOR INFRARAI	1.0000	EA		M P	3671	04-08-1996		
3	990300010	CLIP MTG FOR DIN BOX	2.0000	EA		B	3694	04-17-1996		
3	LDNKIT/01	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
2	477182	LABEL-CE MARK (PRODUCTS)	1.0000	EA		B	3671	04-08-1996		