

PAGE 1 OF 4
DATE:03-25-1998
REVISION: A
W.O. NO: 65388
CUSTOMER:IRCON GMBH.
LOCATION:GERMANY

INFRARAIL SPECIAL NUMBER R718

PURPOSE AND DESCRIPTION:

CUSTOMER REQUIRES A INFRARAIL E SERIES, WITH A SPECIAL TEMPERATURE RANGE AND A SPECIAL OPTICAL RESOLUTION OF D/50 AT 30 INCHES. DETAILS ARE AS FOLLOWS :

MODEL: DNE99-99C
RANGE: 700° - 1200° C
OPTICAL RESOLUTION: D/50 AT 30 INCHES

GENERALITY OF APPLICATION AND RESTRICTIONS:


UNRESTRICTED: SUITABLE FOR USE WITH ALL STANDARD OPTIONS.

WRITTEN BY: _____


J. LAKNER

APPROVED BY: _____

DATE: _____

 3-25-98

INFRARAIL SPECIAL NUMBER R718

REVISION: A
DATE:03-25-1998

PRODUCTION INSTRUCTIONS:

START WITH A MODEL DNE31-13C ELECTRONICS MODULE, AND INSTALL M1 MODULE AS PER BILL OF MATERIAL ON PAGE 3.

START WITH A MODEL DNE31-13C SENSOR AND MAKE THE FOLLOWING CHANGES:

1. USE DETECTOR FIELD STOP 45132-3(0.044 " I.D.).

CALIBRATION INSTRUCTIONS:

CALIBRATE AS PER STANDARD.

Isc @ Tbb 1200° C = 4.133 uA.

Isc @ Tbb 700° C = 0.0168 uA

MANUAL INSTRUCTIONS:

GENERIC INFRARAIL SERIES MANUAL.

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

SHIPPING ADDRESS _____ TAX CODE _____

IRCON B.V.
DATABANKWEG 6 C
3821 AL AMERSFOORT

THE NETHERLANDS

REQUEST DATE (MM-DD-YY) 05-12-00 PROMISE DATE (MM-DD-YY) 05-12-00
OUR ORDER NO. 73933 ORDER DATE (MM-DD-YY) 04-27-00
YOUR ORDER NO. 200040281
TERMS: 0.00/0/180
F.O.B. _____
CODE 1001 (100.00)
VIA MSAS
SPECIAL SHIPPING INSTRUCTIONS JUNKER

LI	PART NO.	DESCRIPTION	QTY	DSCNT%	UNIT PRICE	AMOUNT
1	DN-HO#5195 <i>W.O.#0469</i>	<p><i>99-99C</i></p> <p>DN_DNE31-13C IRCON INFRARAIL IRT SENSING HEAD ONLY</p> <p><i>Reel Special No R 718 Temp range 700-1200C D/50 Resolution</i></p> <p>Consists of the following: 1.0000 - INFRARAIL HEAD ONLY 1.0000 - DN - E SERIES 1.0000 - D/100 RESOLUTION (E) 1.0000 - 800-1300C</p> <p>DN_DNE31-13C</p>	1	0.00	462.00	462.00
2	MOD-CHARGES	MODIFICATION OF PRODUCT	1	0.00	105.00	105.00
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



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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. 008241

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

SHIPPING ADDRESS _____ TAX CODE _____

INTROPA
SPEDITIONSGESELLSCHAFT GM
FRANKFURT AIRPORT
ZUR VERGUEGUNG IRCONGMBH
FRANKFURT,
GERMANY

REQUEST DATE (MM-DD-YY) 08-13-99 PROMISE DATE (MM-DD-YY) 08-13-99

OUR ORDER NO. 71158 ORDER DATE (MM-DD-YY) 07-16-99

YOUR ORDER NO. D-6778

TERMS 0.00/0/60

F.O.B. ORIGIN

CODE 1057 (100.00)

VIA MSAS

SPECIAL SHIPPING INSTRUCTIONS _____

LI	PART NO.	DESCRIPTION	QTY	DSCNT%	UNIT PRICE	AMOUNT
1	DN#1845 <i>w.o. 2439</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 DN_DNE31-13C	1	0.00	1528.00	1528.00
2	MOD-CHARGES	MODIFICATION OF PRODUCT	1	0.00	95.50	95.50
GRAND TOTAL						

Redo Special No R 718
Temp range 700
D/50 Res
1200C
RAB 2/19

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7300 N. NATCHEZ AVE.
NILES, IL 60714 USA

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Acknowledgment



IRCON, INC.
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Niles, IL 60714 USA

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

SOLD TO _____ CUSTOMER NO. 008241

IRCON GMBH
POSTFACH 1361, D-65221
TAUNUSSTEIN, GRILLPARZERSTR 40
GERMANY

SHIPPING ADDRESS _____ TAX CODE NO TAX

INTROPA
SPEDITIONSGESELLSCHAFT GMBH
FRANKFURT AIRPORT
ZUR VERFUEGUNG IRCONGMBH

SCHEDULED SHIPPING WEEK _____ MONTH/DAY/YEAR
ENDING 05/02/98

OUR ORDER NO. _____ ORDER DATE _____ MONTH/DAY/YEAR
SA 065388/00 03/19/98

YOUR ORDER NO. _____
D-6223

TERMS NET 30
 OTHER NET 60

F.O.B. _____ NILES, ILLINOIS

CODE _____
726 .00

VIA _____ PPD. _____ COLL. _____
MSAS X

SPECIAL SHIPPING INSTRUCTIONS _____

LINE NO.	PART NO.	QTY.	DESCRIPTION	UNIT MEAS	DISCOUNT %	PRICE EACH U.S. DOLLAR XXXXXXXXXX	AMOUNT U.S. DOLLAR XXXXXXXXXX
01		6	<p><i>Eng Log</i></p> <p>INFRARAIL TEMP SYSTEM W/O CBL EA MODEL DNE99-99C SERIAL NBR 002290 THRU 002295 ***** * SPECIAL Z999 <i>New Special Temp range of</i> * ***** !!!!!!!!!!WARNING!!!!!!!!!! ** SPL # TO BE DETERMINED ** ** SEE ENGINEERING DEPT. **</p>			<p><i>\$50 ea</i></p> <p>1208.29</p>	<p>7249.74</p>
			SUB TOTALS				7249.75
			GRAND TOTAL				7249.75

and D/50 resolution
with 30 inch focus
BILLINGS IN D.M.
MB 3/22

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

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

Ship To: IRCON, INC.
7300 N. NACHEZ AVE.
NILES, IL 60714 USA

ORIGINAL

Section 1 — GENERAL INFORMATION

1.5 SPECIAL MODIFICATIONS

IRCON InfraRail Model DNE99-99C, Serial Nos. 002290 thru 002295 are modified for a special temperature range of 700° to 1200°C and a special optical resolution of D/50 at 30 inches.

The modified instrument may be used with all standard InfraRail options and accessories.

Details of this modification are retained in IRCON Engineering Files as InfraRail Special No. R718.

NOTE: Ircon, Inc. is the sole owner in all respects of any product or software modification or design herein specified.

Section 1 — GENERAL INFORMATION

1.5 SPECIAL MODIFICATIONS

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Toll Free 800-323-7660
Fax 847-647-0948

REQUEST DATE (MM-DD-YY)

05-19-00

PROMISE DATE (MM-DD-YY)

05-19-00

OUR ORDER NO.

73998

ORDER DATE (MM-DD-YY)

05-03-00

YOUR ORDER NO.

JUNKER

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
1	DN-HO#5290 <i>W.O. #6519</i>	<p><i>DNE99-99C</i></p> <p>DN_DNE31-13C IRCON INFRARAIL IRT SENSING HEAD ONLY</p> <p><i>Reds Special No R 718 - Temp range 700-1200C</i></p> <p>Consists of the following: 1.0000 - INFRARAIL HEAD ONLY 1.0000 - DN - E SERIES 1.0000 - D/100 RESOLUTION (E) 1.0000 - 800-1300C</p> <p>DN_DNE31-13C</p> <p><i>Ref 5/4/00</i></p>	1	0.00	286.00	286.00
GRAND TOTAL						ECU286.00

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

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

BOM Number : DN#1845 - IRCON INFRARAIL IRT

SO-LI: 71158*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-R718	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	OK - 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	OK - 447372	FIELD STOP, .312 DIA	1.0000	EA		B	3709	05-17-96		
2	OK - 447382	FIELD STOP, .437 DIA	1.0000	EA		B	3709	05-17-96		
2	610402	LENS PLANO CONVEX 30" 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		
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-R718	MODULE ASSEMBLY - M1 - (I	1.0000	EA		M P				
2	107683011	RES. 768K OHM MF 1/4W 1%	1.0000	EA		B				
2	101872011	RES. 18.7K OHM MF 1/4W 1%	1.0000	EA		B				
2	101103011	RES. 110K OHM MF 1/4W 1%	1.0000	EA		B				
2	101502011	RES. 15.0K OHM MF 1/4W 1%	1.0000	EA		B				

R718

complete system

THIS IS
CORRECT
5-4-00
A.D

BOM Number : DN#1845 - IRCON INFRARAIL IRT

SO-LI: 71158*1

Level	Part Number	Description	Quantity	UM	Alt	MB X	ECO No.	ECO Date	StartUse	End Use
2	106042011	RES. 60.4K OHM MF 1/4W 1%	1.0000	EA		B				
2	101002011	RES. 10.0K OHM MF 1/4W 1%	1.0000	EA		B				
2	101003011	RES. 100K OHM MF 1/4W 1%	1.0000	EA		B				
2	106341011	RES. 6.34K OHM MF 1/4W 1%	1.0000	EA		B				
2	101693011	RES. 169K OHM MF 1/4W 1%	1.0000	EA		B				
2	103741011	RES. 3.74K OHM MF 1/4W 1%	1.0000	EA		B				
2	102873011	RES. 287K OHM MF 1/4W 1%	1.0000	EA		B				
2	102211011	RES. 2.21K OHM MF 1/4W 1%	1.0000	EA		B				
2	105113011	RES. 511K OHM MF 1/4W 1%	1.0000	EA		B				
2	101241011	RES. 1.24K OHM MF 1/4W 1%	1.0000	EA		B				
2	109093011	RES. 909K OHM MF 1/4W 1%	1.0000	EA		B				
2	106810011	RES. 681 OHM MF 1/4W 1%	1.0000	EA		B				
2	101694011	RES. 1.69M OHM MF 1/4W 1%	1.0000	EA		B				
2	103570011	RES. 357 OHM MF 1/4W 1%	1.0000	EA		B				
2	103650011	RES. 365 OHM MF 1/4W 1%	1.0000	EA		B				
2	103244011	RES. 3.24M OHM MF 1/4W 1%	1.0000	EA		B				
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 RECP 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		
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		

BOM Number : DN#1845 - IRCON INFRARAIL IRT

SO-LI: 71158*1

Level	Part Number	Description	Quantity	UM	Alt	MB X	ECO No.	ECO Date	StartUse	End Use.
4	104021011	RES. 4.02K OHM MF 1/4W 1%	1.0000	EA		B	3769	08-05-96		
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	4.0000	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	102001011	RES. 2.00K OHM MF 1/4W 1%	1.0000	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	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	CHOKE 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		

BOM Number : DN#1845 - IRCON INFRARAIL IRT

SO-LI: 71158*1

Level	Part Number	Description	Quantity	UM	Alt	MB X	ECO No.	ECO Date	StartUse	End Use
4	100000990	JUMPER DUMMY RESISTOR	1.0000	EA		B	3767		08-07-96	
4	551122	CHOKER 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. NPO 10pf 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 10% 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	

BOM Number : DN#1845 - IRCON INFRARAIL IRT

SO-LI: 71158*1

Level	Part Number	Description	Quantity	UM	Alt	MB X	ECO No.	ECO Date	StartUse	End Use
2	C11194	MODULE ASSEMBLY - M1 - (I	1.0000	EA		M P	3671	04-08-96		
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		

IDN-HO #5195

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07:55:54 03 MAY 2000

WORK ORDER TRAVELER
PROCEDURE: MWO-04

PAGE 1

ASSEM#: DN-HO#5195 Rev:3	WO# : 6469	REQUIRED DATE : 05-12-00	REQUIRED QTY : 1
DESC1 : IRCON INFRARAIL IRT	YLD APPL: N	START DATE : 04-14-00	START QTY : 1
STRNG : DN_DNE31-13C	SO# : 73933	RELEASE DATE : 05-03-00	ASSUMED YIELD: 100
CUST.: IRCON B.V.			

LI#	OP#	CTR	WRK	WORK CENTER DESCRIPTION	OPER TYPE	OPERATION DESCRIPTION	QUEUE TIME	SETUP TIME	STD RUN	MOVE TIME	OPER YIELD	TOOL#
1	0	190	DN	SOTCK	900	SELECT Cell No:9 INFRARAIL HEAD ONLY !!!! SPEC R718 !!!! OBTAIN PAGES FROM PROD SUPERVISOR	0.0000	0.0000	0.0000	0.0000	100.0000	
2	1	190	DN	SOTCK	910	PICK COMPONENTS DN "E" SERIES	0.0000	0.0000	0.0000	0.0000	100.0000	
3	1	195	DN	FINAL ASSY	900	SELECT D/100 RESOLUTION	0.0000	0.0000	0.0000	0.0000	100.0000	
4	5	192	DN	SH SUBASSYS	951	DET. ASSY.	0.0000	0.0000	0.0000	0.0000	100.0000	
5	14	195	DN	FINAL ASSY	9142	SH FINAL ASSY.	0.0000	0.0000	0.9133	0.0000	100.0000	
6	19	19B	DN	ORDER ASSY.	9192	OA INSTALL w/C11201 ITEMS 16,17,26 & KIT: N11025	0.0000	0.0000	0.1233	0.0000	100.0000	
7	20	296	DN	CHAMBER	9200	DN CHAMBER	0.0000	0.0000	0.0000	0.0000	100.0000	
8	21	297	DN	CAL.	9210	DN CAL.	0.0000	0.0000	1.2500	0.0000	100.0000	
9	999					TRANSFER TO INVENTORY					100.0000	

SINGLE-LEVEL BOM

Part Description 1	Part Description 2	Quantity Required UOM	OP#
DN-HO#5195 DN1DNE C11201-R713	IRCON INFRARAIL IRT DN PRICES SENSING HEAD FINAL ASSY	1.0000 EA	1
	SENSOR ONLY, SPECIAL R718 D/50 @ 30INCHES SPL R713	1.0000 EA	14

FOR REF. ONLY

COPY OF TRAVELER

INCORRECT CONFIGURATION

FOR R718

BUILD detector Assy. # C11209
L13354

PickList
Procedure: MWO-27

Page 1

Wo#: 6469 Assy#: DN-HO#5195 IRCON INFRARAIL IRT WO Quantity: 1 Revision: 0 Oper#: 1

LI#	Part Number	Rev	Part Description	Alternate Part#	Unit	Extended Quantity	Previous Picked	Current Required	Iss. UM	Pick OP#	Actual Picked	Bin Location
1	DN1DNE		DN PRICES			1.0000	1.0000	0.0000	0.0000	EA	1	N/P

Wo#: 6469 Assy#: DN-HO#5195 IRCON INFRARAIL IRT WO Quantity: 1 Revision: 0 Oper#: 5

LI#	Part Number	Rev	Part Description	Alternate Part#	Unit	Extended Quantity	Previous Picked	Current Required	Iss. UM	Pick OP#	Actual Picked	Bin Location
6	C11209-R707		B SH DETECTOR ASSEMBLY			1.0000	1.0000	0.0000	0.0000	EA	5	
27	LR721-D		C DET ASSY FOR SPL# R7			1.0000	1.0000	0.0000	0.0000	EA	5	

Wo#: 6469 Assy#: DN-HO#5195 IRCON INFRARAIL IRT WO Quantity: 1 Revision: 0 Oper#: 10

LI#	Part Number	Rev	Part Description	Alternate Part#	Unit	Extended Quantity	Previous Picked	Current Required	Iss. UM	Pick OP#	Actual Picked	Bin Location
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Wo#: 6469 Assy#: DN-HO#5195 IRCON INFRARAIL IRT WO Quantity: 1 Revision: 0 Oper#: 14

LI#	Part Number	Rev	Part Description	Alternate Part#	Unit	Extended Quantity	Previous Picked	Current Required	Iss. UM	Pick OP#	Actual Picked	Bin Location
2	C11201-R713	A	SENSING HEAD FINAL A			1.0000	1.0000	0.0000	0.0000	EA	14	

*** End Phantoms ***

C11201-R713 = Sensing head FINAL ASSY.
SPECIAL R713
D/50 @ 30 inches

C11209-R707 = Detector Assy. FOR 1.49-1.6M
"E" HEAD
↳ LR721-D

LR721-D = Detector Assy "E" head SPECIAL R721

- Filter - 640552
- Det. HOLDER - 431432
- Detector - 590792
INGAAs
- Folding MIRROR - 630092

C11201-R713 MUST HAVE BEEN CHANGED TO A 1.6M INGAAS - THIS WAS WRONG

BOM Number : DN-HO#5290 - IRCON INFRARAIL IRT SO-LI: 73998*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-R713	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-R707	SH DETECTOR ASSEMBLY E HD	1.0000	EA		M P	3709	05-17-96		
3	LR721-D	DET ASSY FOR SPL# R721	1.0000	EA		M P	3770	08-21-96		
4	LR721-D/01	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
4	431432	DET. HOLDER MR20 SERIES	1.0000	EA		B				
4	640552	FILTER, BANDPASS	1.0000	EA		B				
4	590792	DETECTOR INGAAS 1.6 MICRO	1.0000	EA		B				
4	LR721-D/02	SEE EXTENDED DESCRIPTION	0.0000	EA		M P				
4	560372	CABLE PVC 1 COND SHIELD 2	3.0000	IN		B				
4	312430100	WIRE 24AWG BARE SOLID	1.0000	IN		B				
4	430292	CONN. GASKET 2000 SERIES	1.0000	EA		B				
4	575892	CONN. CIRC 3 RECPT 10SL-3	1.0000	EA		B				
4	490042	SPRING DETECTOR RETAINER	1.0000	EA		B				
4	630092	FOLDING MIRROR SH MROA SE	1.0000	EA		B				
4	490032	SPRING FOLDING MIRROR MOD	1.0000	EA		B				
4	200204130	SCREW #2-56 X 1/8 BH SLOT	1.0000	EA		B				
4	990100016	EPOXY HARDMAN #4001 3-5 M	1.0000	EA		B				
4	3214G00X0	TUBING #14 PVC CLEAR	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	610402	LENS PLANO CONVEX 30" 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		

R718

SENSOR ONLY

BOM Number DN-HO#5290 IRCON INFRARAIL IRT

SO-LI: 73998*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	SENSING HEAD FINAL ASSEMB	1.0000	EA		M P				
2	451322	FIELD STOP .022 DIA .044	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 BH 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	610402	LENS PLANO CONVEX 30" 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		

Before Changes

W.D.#6519

BOM Number : DN-HO#5290 - IRCON INFRARAIL IRT

SO-LI: 73998*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-R718	SENSING HEAD,E,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				
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 BH 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	610402	LENS PLANO CONVEX 30" 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		

R718 Sensor Only

(CORRECTED CONFIGURATION)

5-8-2000 A.D.

1 MICRON "E" SENSOR

DO YOU WISH A HARD COPY (Y/N)

QUOTE FOR INFRARAIL TYPE 'E' SENSOR (0.7 - 1.0 um)
TEMPERATURE RANGE: 700 - 1200 DEG.C
OPTICAL RESOLUTION: D/50

ANALYSIS OF SPECIAL TEMPERATURE RANGE:

SIGNAL SPAN = 246 /1
Isc FULLSCALE = 4.133 uAMPS
ISC ZEROSCALE = 0.017 uAMPS
ISC ZEROSCALE (WITH e = 0.1) 0.0017 uAMPS

THIS IS A HIGH RESOLUTION SPECIAL AND AS SUCH THE FOLLOWING
RESTRICTIONS APPLY:

CASE TEMPERATURE MAXIMUM = 150 DEG. F.

THE MINIMUM EMISSIVITY AT ZERO SCALE FOR THIS SPECIAL = 0.18

SPECIAL TEMPERATURE RANGE IS ACCEPTABLE

PRICE FOR THIS SPECIAL IS: \$675.00 (\$875.00 FOR InGaAs) FOR THE FIRST UNIT

PRICE FOR THE 2nd TO Nth ADDITIONAL UNITS IS : \$300.00 (\$425 FOR InGaAs)

INFRARAIL SPECIAL NUMBER R718
TEMPERATURE RANGE: 700 TO 1200 DEGREES C
SPECTRUM: 0.70 TO 1.00 MICRONS

TEMPERATURE DEGREES C	SENSOR OUTPUT IN uAMPS	INDICATOR OUTPUT mAMPS
700.0	0.0168	4.000
725.0	0.0250	4.800
750.0	0.0366	5.600
775.0	0.0527	6.400
800.0	0.0747	7.200
825.0	0.1041	8.000
850.0	0.1432	8.800
875.0	0.1942	9.600
900.0	0.2603	10.400
925.0	0.3447	11.200
950.0	0.4514	12.000
975.0	0.5852	12.800
1000.0	0.7513	13.600
1025.0	0.9556	14.400
1050.0	1.2049	15.200
1075.0	1.5069	16.000
1100.0	1.8699	16.800
1125.0	2.3033	17.600
1150.0	2.8173	18.400
1175.0	3.4231	19.200
1200.0	4.1330	20.000

INFRARAIL SPECIAL NUMBER R718 CONTINUED,

BILL OF MATERIAL

MODULE M1 REFERENCE: DWG.NO.C11194

SYMBOL	PART NO.	DESCRIPTION		
R1	107683011	RESISTOR	768 Kohm	METAL FILM 1/4W 1%
R44	101872011	RESISTOR	18.7 Kohm	METAL FILM 1/4W 1%
R54	101103011	RESISTOR	110 Kohm	METAL FILM 1/4W 1%
R45	101502011	RESISTOR	15.0 Kohm	METAL FILM 1/4W 1%
R55	106042011	RESISTOR	60.4 Kohm	METAL FILM 1/4W 1%
R46	101002011	RESISTOR	10.0 Kohm	METAL FILM 1/4W 1%
R56	101003011	RESISTOR	100 Kohm	METAL FILM 1/4W 1%
R47	106341011	RESISTOR	6.34 Kohm	METAL FILM 1/4W 1%
R57	101693011	RESISTOR	169 Kohm	METAL FILM 1/4W 1%
R48	103741011	RESISTOR	3.74 Kohm	METAL FILM 1/4W 1%
R58	102873011	RESISTOR	287 Kohm	METAL FILM 1/4W 1%
R49	102211011	RESISTOR	2.21 Kohm	METAL FILM 1/4W 1%
R59	105113011	RESISTOR	511 Kohm	METAL FILM 1/4W 1%
R50	101241011	RESISTOR	1.24 Kohm	METAL FILM 1/4W 1%
R60	109093011	RESISTOR	909 Kohm	METAL FILM 1/4W 1%
R51	106810011	RESISTOR	681 ohm	METAL FILM 1/4W 1%
R61	101694011	RESISTOR	1.69 Mohm	METAL FILM 1/4W 1%
R52	103570011	RESISTOR	357 ohm	METAL FILM 1/4W 1%
R53	103650011	RESISTOR	365 ohm	METAL FILM 1/4W 1%
R62	103244011	RESISTOR	3.24 Mohm	METAL FILM 1/4W 1%