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REVISIONS

REV LTR	DATE	ENG	MKTG	Q.A.
A	07/11/02 _{IB}	LC	PH	RM
B	08/16/02 _{IB}	RB	PH	LJ
C	12/03/02 _{IB}	RB	SD	LJ
D	07/28/05 _{SH}	LC	SD	LJ
E	03/15/07 _{CM}	AD	-	-

PARAMETER	REQUIREMENT
IMPEDANCE	75 Ohms
RF POWER CAPABILITY	50 Watts
TELEMETRY FREQUENCY BAND	10 kHz TO 150 kHz 10 MHz TO 100 MHz
Rx/Tx FREQUENCY BAND	300 MHz TO 2500 MHz
TELEMETRY INSERTION LOSS	2.0 dB MAX.
Rx/Tx INSERTION LOSS	1.0 dB MAX.
TELEMETRY I/O RETURN LOSS	10 dB MIN.
Rx/Tx I/O RETURN LOSS	15 dB MIN.
Rx/Tx GROUP DELAY VARIATION	100 ps MAX.
OPERATING VOLTAGE & CURRENT	+24 VDC @ 3 Amps
STAND OFF VOLTAGE	±33 VDC
SURGE PROTECTION	IEC 61000-4-5, 8/20 μs @ 3 kA IEC 61000-4-5, 10/350 μs @ 3 kA
PEAK LET THROUGH VOLTAGE	2 X OPERATING VOLTAGE
THROUGH-PUT ENERGY	1 mJ MAX.

OPERATING ENVIRONMENT

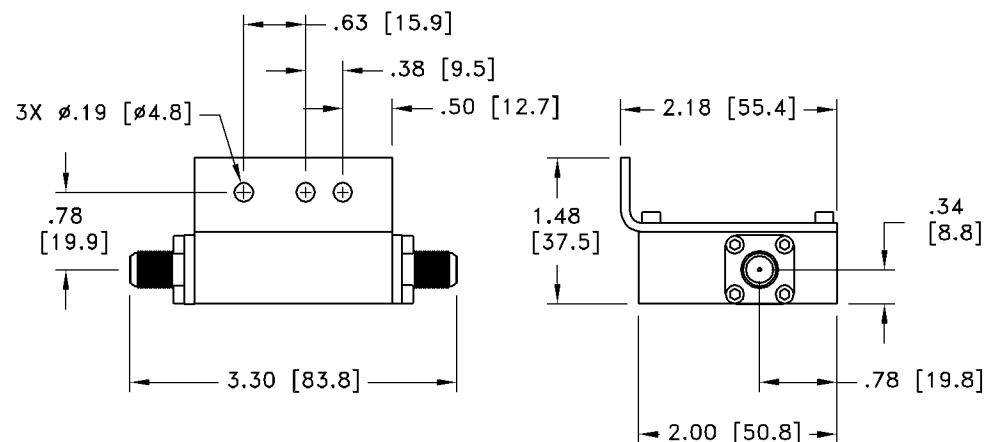
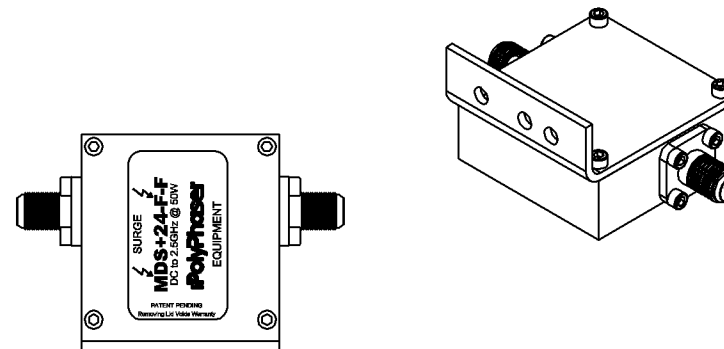
TEMPERATURE RANGE	-50 TO +85 DEG-C
RELATIVE HUMIDITY	0 TO 100% CONDENSING
ALTITUDE	15,000 FEET

STORAGE ENVIRONMENT

TEMPERATURE RANGE	-50 TO +95 DEG-C
RELATIVE HUMIDITY	0 TO 100% CONDENSING
ALTITUDE	50,000 FEET

SHOCK AND VIBRATION

OPERATING VIBRATION	ETS 300 019-2-4, CLASS 4M3
OPERATING SHOCK	ETS 300 019-2-4, CLASS 4M3
TRANSPORTATION	ETS 300 019, CLASSIFICATION 2.3



CUSTOMER APPROVAL: _____ DATE: _____

ALL DIMENSIONS SHOWN ABOVE ARE FOR REFERENCE ONLY.

DRAFTER	DATE
I. BENNETT	06/25/02
MECH ENGINEER	DATE
R. DUNNING	07/10/02
ELEC ENGINEER	DATE
L. CHANG	07/03/02
MARKETING	DATE
P. HEEREN	07/10/02
QUALITY DEPT	DATE
L. JACQUES	07/09/02

PolyPhaser

P.O. BOX 9000 MINDEN, NY 89423 TEL: 775-782-2511 FAX: 775-782-4476
DWG NO/PART NO/DESCRIPTION

MDS+24-F-F
CUSTOMER PRINT

CAGE CODE	FILE NAME	SCALE	SHEET
61114	-C1	1/2	1 OF 1