

MAXIMUM CHARACTERISTICS

APPLICATION:

TWO WAY RADIO AND SCADA APPLICATIONS
NON-WEATHERIZED, FLANGE MOUNT

SURGE:

50kA IEC 61000-4-5 8/20μs WAVEFORM (TESTED)
20kA (RATED)

TURN-ON:

600Vdc ±20%

TURN-ON TIME:

2.5ns FOR 2kV/ns

FREQUENCY RANGE:

125MHz TO 1GHz

VSWR:

≤1.1:1 OVER FREQUENCY RANGE

INSERTION LOSS:

≤0.1dB OVER FREQUENCY RANGE

MAX POWER:

375W @ 125MHz TO 220MHz
125W @ 220MHz TO 700MHz
50W @ 700MHz TO 1000MHz

THROUGHPUT ENERGY:

≤220μJ FOR 3kA, 8/20μs WAVEFORM

TEMPERATURE:

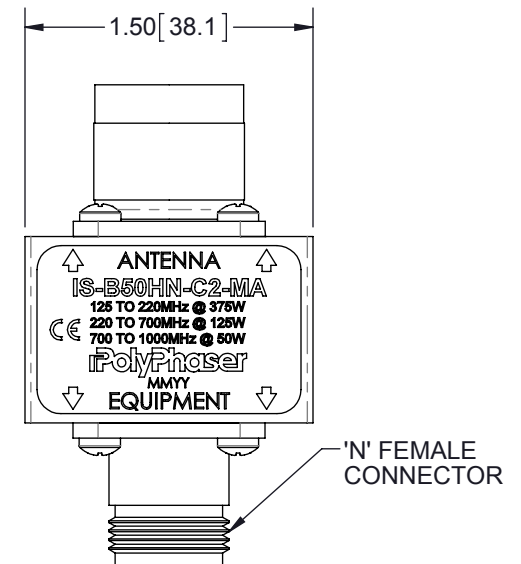
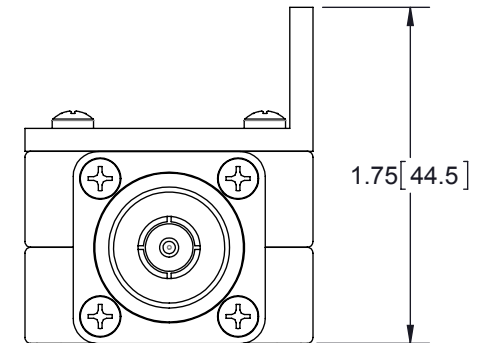
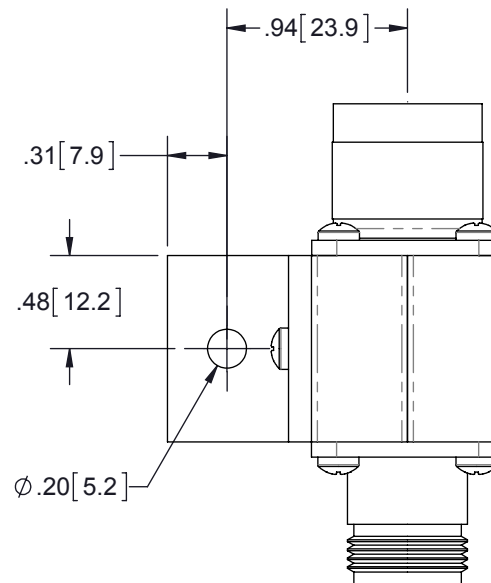
STORAGE: -55°C TO +85°C
OPERATING: -50°C TO +50°C

VIBRATION:

1G UP TO 100Hz

CE COMPLIANT



RoHS COMPLIANT



CUSTOMER APPROVAL: _____ DATE: _____

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

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<div>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</div> <div>TOLERANCES: FRACTIONS=± 1/32 .XX=± .03 ANGLES=± 1° .XXX=± .010</div> <div>NOTICE: THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF POLYPHASER CORPORATION. ALL RIGHTS RESERVED.</div> <div>THIRD-ANGLE PROJECTION</div> <div></div>	<div>DRAWN R. DUNNING</div> <div>ENG APPD J. JONES</div> <div>PRODUCT MGR R. MATHEUS</div> <div>MARKETING APPD</div> <div>PROJECT NO.</div>	<div>DATE 5/24/94</div> <div>5/24/94</div> <div>5/24/94</div> <div></div>	<div></div> <div>TITLE BROADBAND 125-1000MHz R50 T.O. 600Vdc N MALE-ANT</div> <div>CUSTOMER SPECIFICATION</div>				<div>SHEET 1 OF 1</div> <div>SCALE 1:1</div>
	<div>DOCUMENT NAME IS-50NX-C2-MA-C</div>	<div>SIZE A</div>	<div>CAGE 61114</div>	<div>PROD CAT RFP</div>	<div>PART NUMBER IS-50NX-C2-MA</div>	<div>REV H</div>	