

REVISIONS				
REV.	DESCRIPTION	ECN	DATE	APPROVED
E	REFER TO ECN	14243	12/01/17	RJS

HARDWARE KITS INCLUDE:

QTY	DESCRIPTION
1	NUT 5/8-24 303 HEX SS
1	WASHER 5/8 410 SS
1	SILICONE O-RING 019
2	NUT 10-32 HEX 18-8 SS
2	WASHER 10 EXT TOOTH SS

MAXIMUM CHARACTERISTICS

APPLICATION:
WEATHERIZED, FLANGE OR BULKHEAD MOUNT

FREQUENCY RANGE:
RF: 40MHz TO 400MHz

RETURN LOSS:
≥26dB

INSERTION LOSS:
≤.25dB

TELEMETRY:
1.75 TO 5MHz

RETURN LOSS:
≥14dB

INSERTION LOSS:
≤0.40dB

TELEMETRY:
5MHz TO 25MHz

RETURN LOSS:
≥26dB

INSERTION LOSS:
≤0.25dB

RF POWER:
100W RMS MAX

USER VOLTAGE:
±60Vdc, ±65Vdc MAX TEMPORARY

USER CURRENT:
4.0 ADC CONTINUOUS

DC RESISTANCE:
≤0.15Ω

DC TURN-ON (BREAKDOWN):
±66Vdc

TURN ON TIME:
4ns FOR 2kV/ns

MAX. SURGE:
20kA IEC 61000-4-5 8/20μs WAVEFORM

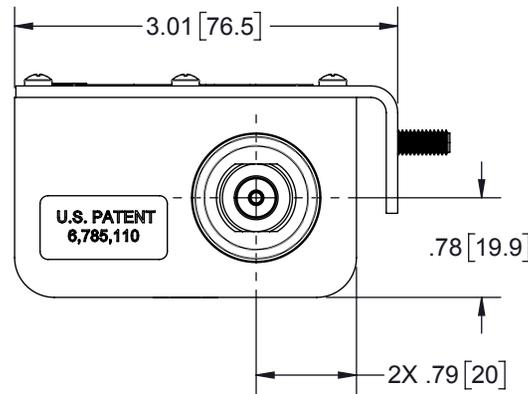
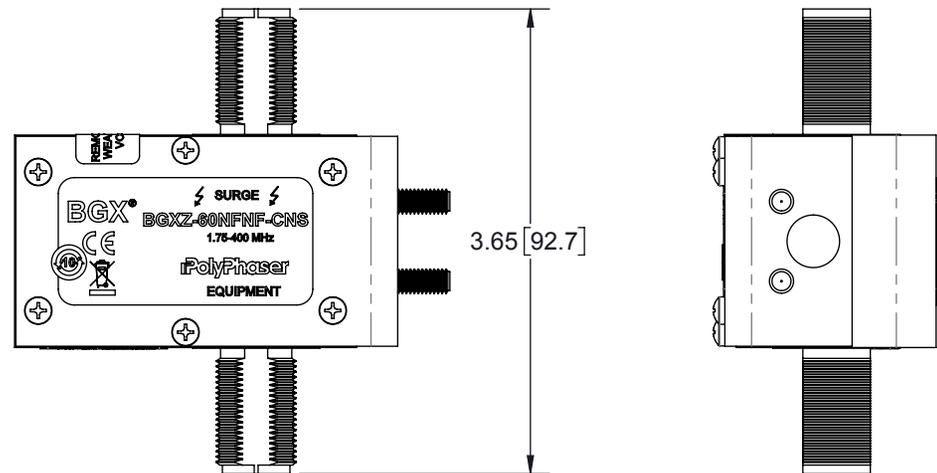
THROUGHPUT ENERGY:
≤2.5mJ FOR 3kA, 8/20μs WAVEFORM

RELATIVE HUMIDITY:
TO 95%

ENVIRONMENTAL:
IEC 60529 IP67
MEETS BELLCORE #TA-NWT-000487
PROCEDURE 4.11, WIND DRIVEN (120MPH)
RAIN INTRUSION TEST.

TEMPERATURE:
-50°C TO +85°C STORAGE/OPERATING

RoHS COMPLIANT



CUSTOMER APPROVAL: _____ DATE: _____

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

<small>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</small> TOLERANCES: FRACTIONS=± 1/32 .XX=± .03 ANGLES=± 1° .XXX=± .010 <small>NOTICE: THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF POLYPHASER CORPORATION. ALL RIGHTS RESERVED.</small>	<small>DRAWN</small> S. HALL <small>DATE</small> 5/12/09		<small>SHEET</small> 1 OF 1		
	<small>ENG APPD</small> R. DUNNING <small>DATE</small> 5/13/09		<small>SCALE</small> 1:2		
	<small>PRODUCT MGR</small> K. BARTEL <small>DATE</small> 5/12/09		<small>TITLE</small> 1.75-400MHz +/-60V CUSTOMER SPECIFICATION		
	<small>MARKETING APPD</small> P. BREEN <small>DATE</small> 5/13/09		<small>REV</small> E		
<small>THIRD-ANGLE PROJECTION</small> 	<small>PROJECT NO.</small> 1400-790	<small>SIZE</small> A	<small>CAGE</small> 30992	<small>PROD CAT</small> RFP	<small>PART NUMBER</small> BGXZ-60NFNF-CNS

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