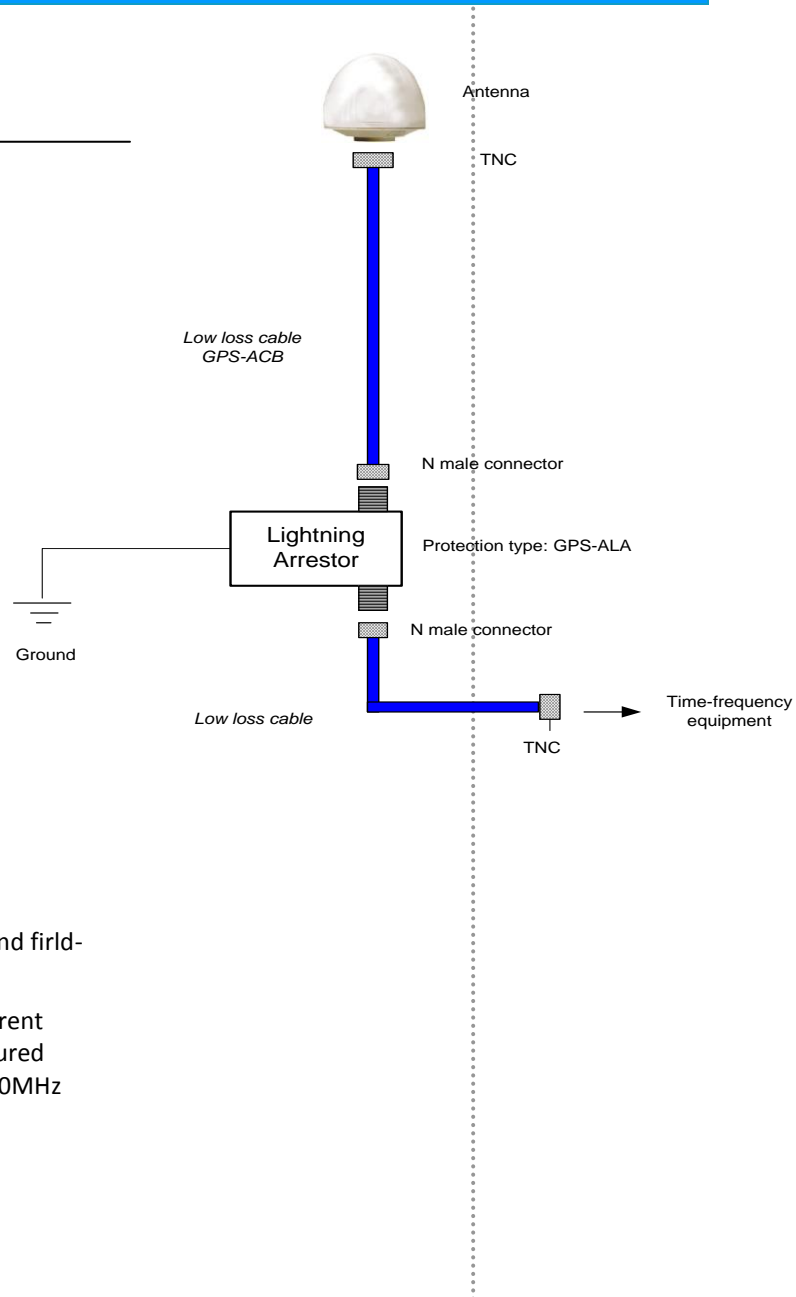


GPS-ALA

Lightning arrester

Specifications



Protection of GPS receivers from lightning discharges and field-induced current surges.

Hybrid, multistage, multi-strike, fast response, high current capacity, ± 6 Vdc pass coaxial lightning protector configured with N female connectors for RF operating between 800MHz to 2500MHz.

Mount Type : Flange or Bulk Mount

Standards : CE Compliant, RoHS Compliant

Line Voltage: ± 6 Vdc

Frequency Range: 800 MHz to 2.5 GHz

Protected Side Connector: N Female

Surge Side Connector: N Female

Turn On Voltage: ± 6.5 Vdc

VSWR: $\leq 1.1:1$ Over Frequency Range

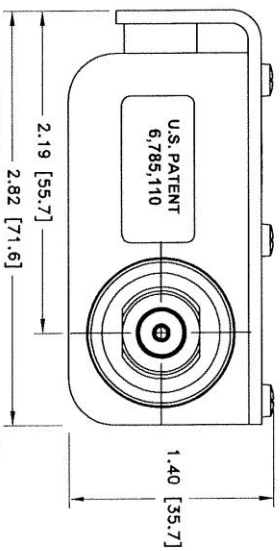
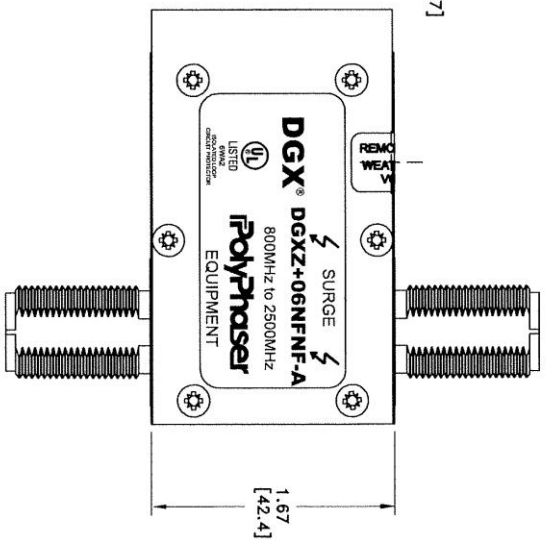
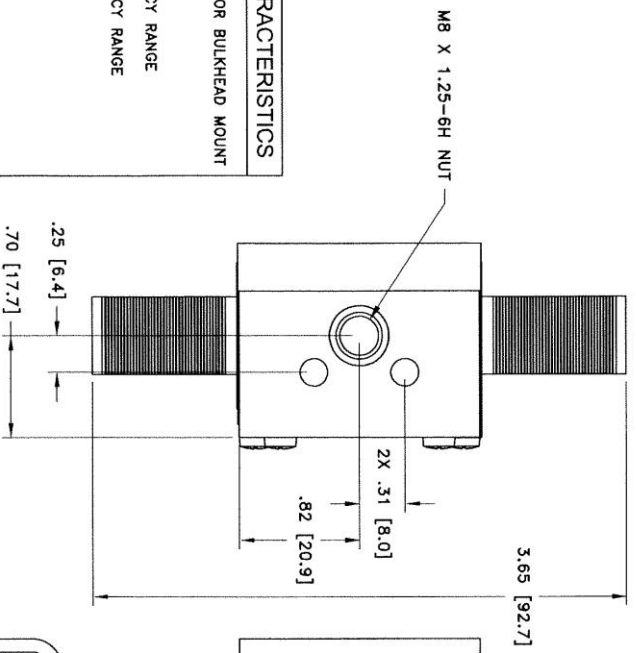
Insertion Loss: ≤ 0.1 dB Over Frequency Range

RF Power: 300W RMS

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REVISIONS				
REV LTR	DATE	ENG	MTG	Q.A.
J	02/05/08	KCB	WO	LJ



MAXIMUM CHARACTERISTICS

APPLICATION: WEATHERIZED, FLANGE OR BULKHEAD MOUNT

FREQUENCY RANGE: 800MHZ TO 2500MHZ

VSWR: 51:1 OVER FREQUENCY RANGE

INSERTION LOSS: $\leq 0.1\text{dB}$ OVER FREQUENCY RANGE

POWER: 500W RMS

TURN ON: +6.5Vdc

TURN OFF TIME: 4ns FOR 2kV/ns

MAX. SURGE: 20kA IEC 61000-4-5 8/20µs WAVEFORM THROUGHPUT ENERGY: $\leq 175\text{µJ}$ FOR 3kA, 8/20µs WAVEFORM

USER VOLTAGE: +6.0Vdc MAX

USAGE CURRENT: $\leq 4.0\text{A}$ CONTINUOUS

RELATIVE HUMIDITY: TO 95%

ENVIRONMENTAL: COMPLIANT TO IEC 60950-1 SECTION 7.4.2

MEETS IEC 60529 IP67

MEETS BELLCORE #7A-NWT-000487 PROCEDURE 4.11, WIND DRIVEN (120MPH) RAIN INTRUSION TEST.

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

<p>PolyPhosER</p> <p>DGXZ+06NFNF-A</p> <p>CUSTOMER PRINT</p>		<p>DATE: _____</p>
<p>ALL DIMENSIONS SHOWN ABOVE ARE FOR REFERENCE ONLY.</p>		
<p>DESIGNER: I. BENNETT</p> <p>DATE: 03/15/02</p> <p>ELC ENGINEER: K. BARTEL</p> <p>DATE: 03/25/02</p> <p>MARKETING: P. HEEREN</p> <p>DATE: 03/26/02</p> <p>QUALITY DEPT: R. MATHEUS</p> <p>DATE: 03/25/02</p>	<p>U.S. PATENT 6,785,110</p>	<p>DATE: _____</p>
<p>61114</p>	<p>FILE NAME: -C1</p>	<p>SCALE: 1/1</p>
<p>1</p>	<p>SHEET</p>	<p>1 OF 1</p>