

#### MAXIMUM CHARACTERISTICS

**APPLICATION:**  
DC SHORT/RF ONLY (NO POWER SUPPLY PROVISIONS)  
BULKHEAD MOUNT BI-DIRECTIONAL  
WEATHERPROOF WHEN INSTALLED

**FREQUENCY RANGE:**  
698MHz TO 2.7GHz @ -26dB RETURN LOSS

**MAX SURGE:**  
IEC 61000-4-5 8/20µs WAVEFORM  
40kA MAX  
20kA MULTIPLE

**INSERTION LOSS:**  
≤0.1dB

**CONTINUOUS POWER:**  
500W @ 920MHz  
(750W @ 50°C)

**LET THROUGH VOLTAGE:**  
≤±200mV FOR 3kA @ 8/20µs WAVEFORM

**THROUGHPUT ENERGY:**  
≤5nJ FOR 3kA @ 8/20µs WAVEFORM

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

**VIBRATION:**  
1G @ 5Hz TO 100Hz

**MATERIAL:**  
BODY: TRI-PLATED BRASS  
PTFE: DIELECTRIC  
CENTER PINS: TRI-M

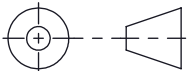
**ENVIRONMENTAL:**  
MEETS IEC 60529 IP67  
MEETS BELLCORE #TA-NWT-000487  
PROCEDURE 4.11, 120MPH WIND DRIVEN  
RAIN INTRUSION TEST

**CE COMPLIANT**  
**RoHS COMPLIANT**

| QTY | DESCRIPTION         |
|-----|---------------------|
| 1   | 5/8 MOUNTING NUT    |
| 1   | INT TOOTH LOCKWASER |
| 1   | O-RING              |

CUSTOMER APPROVAL: \_\_\_\_\_ DATE: \_\_\_\_\_

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

|   |  |  |          |         |   |  |       |    |
|---|--|--|----------|---------|---|--|-------|----|
| UNLESS OTHERWISE SPECIFIED<br>LEADING DIMENSIONS ARE INCHES<br>DIMENSIONS IN [ ] ARE MILLIMETERS<br><br>TOLERANCES:<br>FRACTIONS=± 1/32 .XX=± .01<br>ANGLES=± 1 ° .XXX=± .005 |  | DRAWN  | RD       | DATE    | 02/09/2012                                      |  |       |    |
|   |  | ENG APPD   | JJ       | 5/15/12 |   |  |       |    |
|   |  | PRODUCT MGR  | CP       | 5/15/12 |   |  |       |    |
|   |  | MARKETING APPD   | LJ       | 5/15/12 |   |  |       |    |
| MATERIAL  |  | PROJECT NO.  |          |         | BI-DIRECTIONAL BROADBAND DC<br>SHORT FILTER 'N' |  |       |    |
| THIRD-ANGLE PROJECTION  |  | NOTICE: THE INFORMATION AND DESIGN<br>IN THIS DOCUMENT IS THE PROPERTY<br>OF TRANSECTOR SYSTEMS. ALL<br>RIGHTS RESERVED. |          |         |   |  |       |    |
|    |  | SIZE   | CAGE     |         | PART NUMBER                                     |  | REV   |    |
|   |  | B  | 61114    |         | TSX-NFF   |  | D     |    |
|   |  | SCALE  | PROD CAT |         | DOCUMENT NAME                                   |  | SHEET | OF |
|   |  | 1:1  | RFP      |         | TSX-NFF-C                                       |  | 1     | 1  |

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