

REVISIONS				
REV.	DESCRIPTION	ECN	DATE	APPROVED
J	REFER TO ECN	14042	5/25/17	EJD

MAXIMUM CHARACTERISTICS

APPLICATION:
 BULKHEAD MOUNT
 REPLACEABLE TRANSIENT ELEMENTS
 BIDIRECTIONAL OPERATION
 WEATHER PROOF WHEN INSTALLED
 50Ω IMPEDANCE

FREQUENCY RANGE:
 698MHz TO 2.7GHz RF
 dc TO 2.5MHz TELEMETRY (AISG)

MAX AVG. RF POWER:
 1kW @ 920MHz

INSERTION LOSS:
 698MHz TO 2.7GHz Typical <0.1dB
 2.176 MHz @ <0.1dB

RETURN LOSS:
 698MHz TO 710MHz Typical -20dB
 710MHz TO 1000MHz Typical -26dB
 1000MHz TO 2700MHz Typical -23dB
 2.176MHz @ > -12dB

NOMINAL DC POWER:
 ±60Vdc, 10A MAX

MAXIMUM CONTINUOUS DC POWER:
 ±100Vdc 10A MAX

USER VOLTAGE:
 ±60Vdc

DC CURRENT:
 6A

DC RESISTANCE:
 ≤0.02Ω (CENTER PIN + SHIELD RESISTANCE)

THROUGHPUT ENERGY:
 <25mJ 2kA IEC 61000-4-5 8/20μs WAVEFORM

MAX THROUGHPUT VOLTAGE:
 <500V 2kA IEC 61000-4-5 8/20μs WAVEFORM

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

PIM 3rd ORDER:
 <-155dBc (-112dBm; 2 X 20W INPUT) TYPICAL -125dBm

CENTER PIN CONTACTS FINISH:
 TRI-M3™ PLATING

HOUSING MATERIAL:
 TRI-M3™ PLATING OVER BRASS

INSULATOR MATERIAL:
 TEFLON, TYPE 1, GRADE 1, CLASS A COMPLIES WITH ASTM-D-1710 WHEN CONNECTED

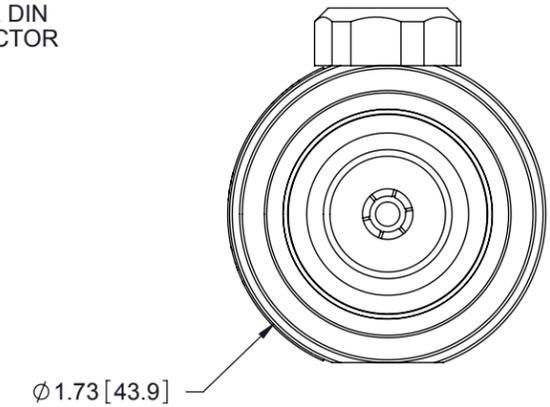
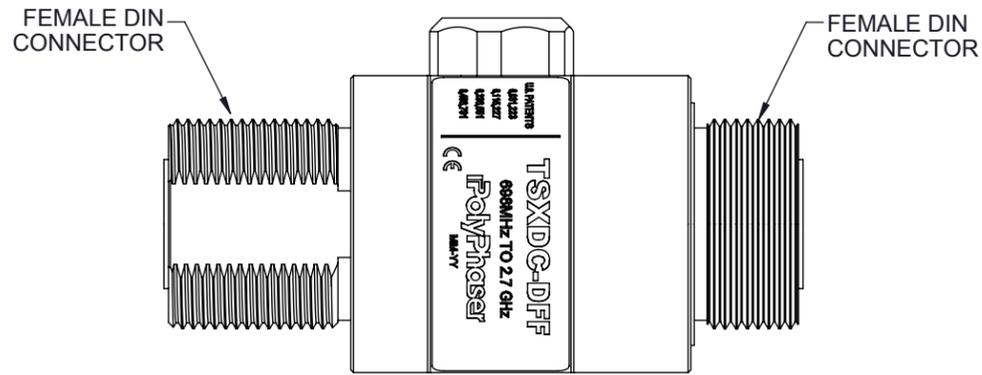
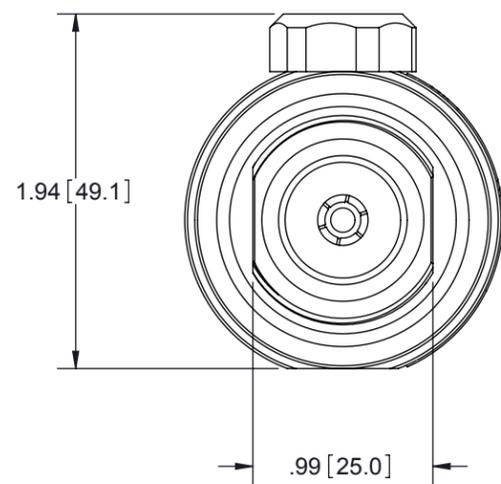
ENVIRONMENTAL:
 MEETS IEC 60529 IP67 WHEN CONNECTED
 MEETS BELLCORE #TA-NWT-000487
 PROCEDURE 4.11, WIND DRIVEN 120 MPH
 RAIN INTRUSION TEST

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

HUMIDITY:
 ≤95%, NON-CONDENSING, 100% EXTERNAL

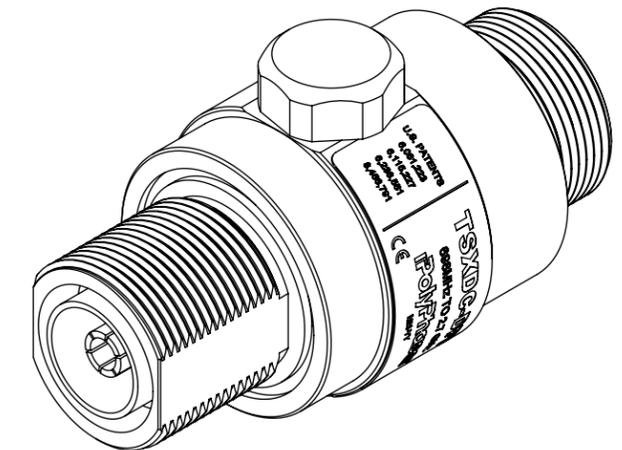
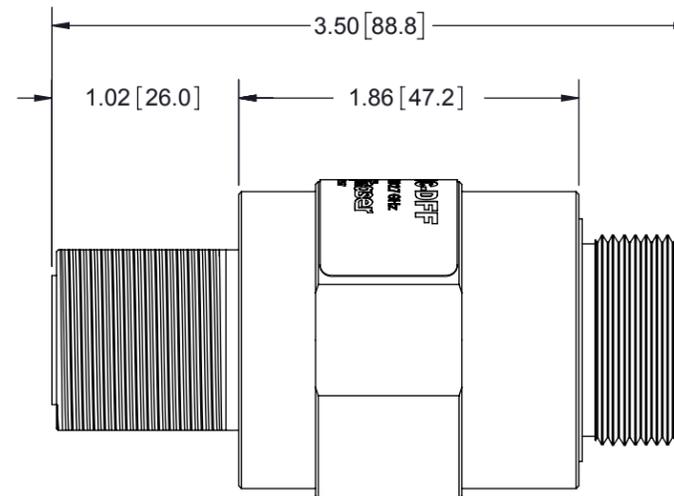
RoHS/CE COMPLIANT

FOR GAS TUBE REPLACEMENTS ORDER P/N RGT-KIT-01

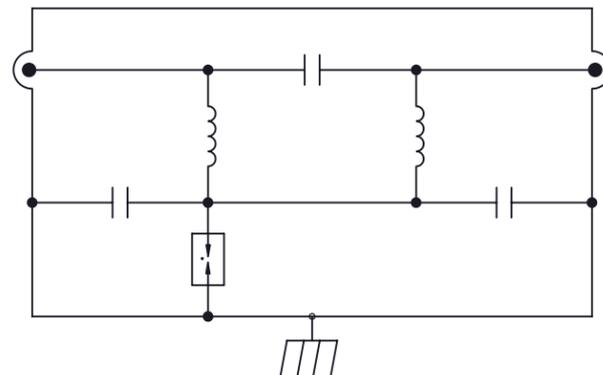


HARDWARE KIT INCLUDES:

QTY	DESCRIPTION
1	NUT M29 X 1.5 SST DIN
1	WASHER 1.15ID FLAT SST TYPE 304
1	O-RING 026 SILICONE



SCHEMATIC BI-DIRECTIONAL



CUSTOMER APPROVAL: _____ DATE: _____

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		DRAWN HMB DATE 1/20/11			
TOLERANCES: FRACTIONS=± 1/32 .XX± .03 ANGLES=± 1° .XXX± .010		ENG APPD CAP 6/5/12			
MATERIAL NOTED		PRODUCT MGR SJD 6/6/12			
THIRD-ANGLE PROJECTION		MARKETING APPD LJ 6/12/12			
THIRD-ANGLE PROJECTION		PROJECT NO. DD77588		TITLE SX-DC-PASS-DIN FEM/FEM CUSTOMER SPECIFICATION	
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		SCALE 1:1	PROD CAT RFP	DOCUMENT NAME TSXDC-DFF-C	SHEET 1 OF 1

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