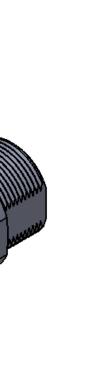
NOTICE OF PROPRIETARY RIGHTS THIS DOCUMENT CONTAINS CONFIDENTIAL TECHNICAL DATA, INCLUDING TRADE SECRETS, PROPRIETARY TO TIMES MICROWAVE SYTEMS, DISCLOSURE OF THE DATA IS EXPRESSLY CONDITIONED UPYOUR ASSENT THAT ITS USE IS LIMITED TO USE WITHIN YOUR COMPANONLY, ANY OTHER USE STRICTLY PROHIBETED WITHOUT THE PRIOR WRITTEN CONSENT OF TIMES MICROWAVE SYSTEMS.

REVISION DESCRIPTION DATE APPD DFTM REV. RELEASED FOR PRODUCTION M.E. 03/24/14 M.E. 03/24/14



Ø1.85

## NOTES:

## 1. ELECTRICAL PERFORMANCE

**IMPEDANCE: 50 OHMS** 

OPERATING FREQUENCY: 680-2200 MHz

VSWR/RETURN LOSS: < 1.13:1 / < -24 dB (680-700 MHz) < 1.1:1 / < -26 dB (700-2200 MHz)

INSERTION LOSS: < 0.1 dB AVERAGE POWER: 700 W

PIM: < -160 dBc

MAX SURGE CURRENT: 50 kA (8/20 us WAVE-FORM)

RESIDUAL PULSE VOLTAGE: < 100 V (50kA 8/20 us WAVE-FORM)

RESIDUAL PULSE VOLATGE: < 1 V (4kV/2kA 1.2X50/8X20 us WAVE-FORM) ENERGY THROUGHPUT RATING: < 1 nJ (4kV/2kA 1.2X50/8X20 us WAVE-FORM)

PROTECTION CIRCUIT: DC BLOCKED

## 2. ENVIRONMENTAL CHARACTERISTICS

STORAGE/OPERATING TEMPERATURE: -40C TO +85C WEATHERIZATION: IP67 VIBRATION: MIL-STD 202, METHOD 204, CONDITION B WEIGHT: 1.32 lb / 0.6 kg **RoHS COMPLIANT** 

## 3. MATERIAL AND FINISH

INNER CONNECTOR MALE: BRASS, SILVER PLATE INNER CONNECTOR FEMALE: PHOSPHOR BRONZE, SILVER PLATE BODY: BRASS, WHITE BRONZE PLATE COUPLING NUT: BRASS, WHITE BRONZE PLATE **INSULATOR: PTFE** O-RING: SILICONE RUBBER

MATERIAL:

DRAFTSMAN M. ELLIS 03/24/14 TIMES MICROWAVE SYSTEMS CHECKER M. ELLIS 03/24/14 APPROVED M. ELLIS 03/24/14 TITLE: UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES MACHINED SURFACES FINISH 32 RMS MAX. REMOVE ALL BURRS .005 MAX. BREAK MACHINE CORNERS .005 MAX. FILLET R. TOLERANCES ON DECIMALS

± .01 .XXX ± .005

S ± 1° FRACTIONS ± 1/32

DO NOT SCALE DRAWING

USED ON ASSY.

SURGE PROTECTOR

DIN MALE TO DIN FEMALE

680-2200 MHz

SCALE: 1.5:1

LP-STRL-DMS

SHEET 1 OF 1

