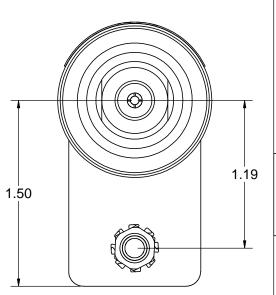


USED ON ASSY.

MATERIAL:



DATE APPD

M.E. 03/24/14 M.E. 03/24/14

DFTM

REVISION DESCRIPTION

RELEASED FOR PRODUCTION

## NOTES:

## 1. ELECTRICAL PERFORMANCE

**IMPEDANCE: 50 OHMS** 

OPERATING FREQUENCY: 20-1000 MHz VSWR/RETURN LOSS: < 1.1:1 / < -26 dB

INSERTION LOSS: < 0.1 dB

TURN ON VOLTAGE: 600 Vdc +/- 20% TURN ON TIME: 2.5 ns for 2 kV/ns

MAX SURGE CURRENT: 10 kA MULTIPLE (8/20 us WAVE-FORM)
ENERGY THROUGHPUT RATING: < 200 uJ (6kV/3kA 1.2X50/8X20 us WAVE-FORM)

POWER HANDLING AT FREQUENCY: 375 W (20-220 MHz) 125 W (220-700 MHz) 50 W (700-1000 MHz)

PROTECTION CIRCUIT: DC BLOCKED

## 2. ENVIRONMENTAL CHARACTERISTICS

TEMPERATURE RANGE STORAGE/OPERATING: -40C TO +85C/-40C TO +50C **WEATHERIZATION: IP67** VIBRATION: MIL-STD 202, METHOD 204, CONDITION B WEIGHT: 0.55 lb / 0.25 kg RoHS COMPLIANT

3. MATERIAL AND FINISH

INNER CONNECTOR FEMALE: PHOSPHOR BRONZE, SILVER PLATE BODY: BRASS, WHITE BRONZE PLATE OUTER CONDUCTOR: BRASS, WHITE BRONZE PLATE COUPLING NUT: BRASS, WHITE BRONZE PLATE **INSULATOR: PTFE** 

DRAFTSMAN	M. ELLIS 03/2		03/24/14	
CHECKER	M. ELLIS		03/24/14	
APPROVED	M. ELLIS		03/24/14	
UNLESS OTHERWISE SPECIFIED			TITL	
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				
.XX ±	.01	.XXX ± FRACTIONS ±	.005 1/32	DWG. SIZE
DO NOT SCALE DRAWING				CODE IDENT.

TIMES MICROWAVE SYSTEMS SURGE PROTECTOR N FEMALE TO N FEMALE 20-1000 MHz

LP-BTRW-NFF SCALE: 2:1 SHEET 1 OF 1