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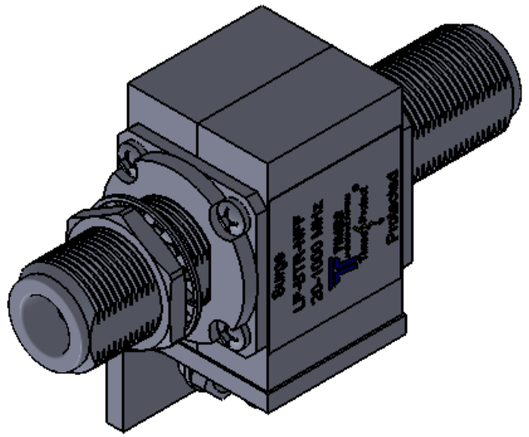
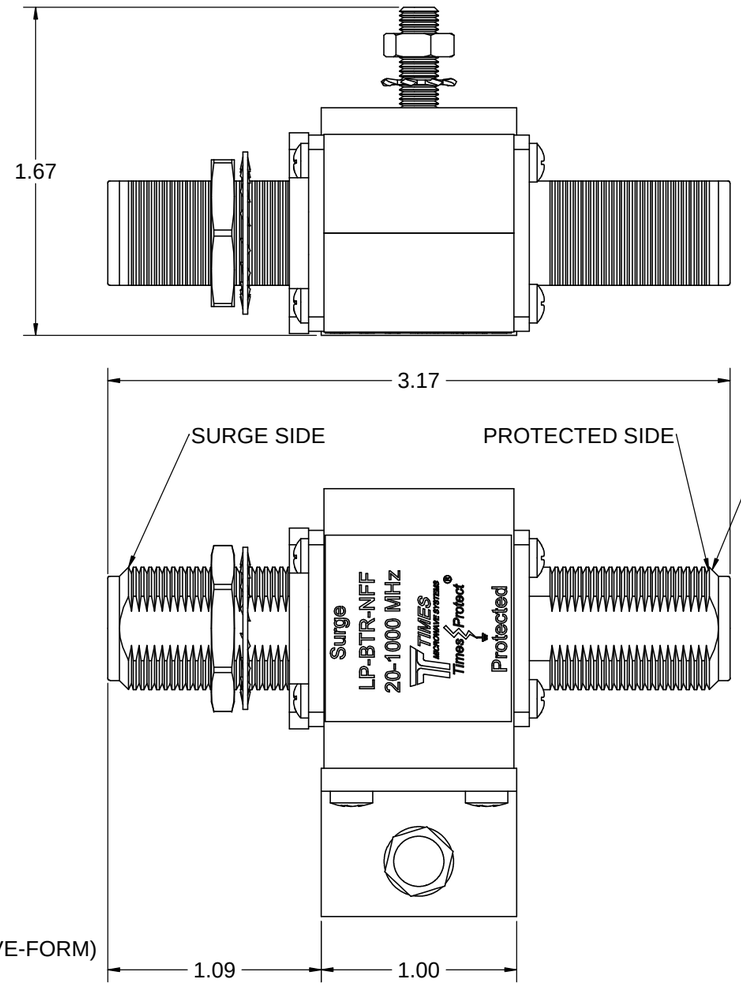
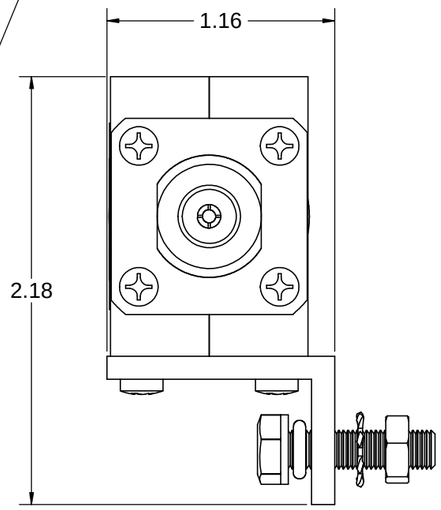
REV.	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	M.E.	03/14/21	M.E.	03/14/21







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 (4kV/2kA 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: REQUIRED FOR EXTERNAL USE
VIBRATION: MIL-STD 202, METHOD 204, CONDITION B
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	03/14/21
CHECKER	M.ELLIS	03/14/21
APPROVED	M.ELLIS	03/14/21

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
.XX ± .01 .XXX ± .005
ANGLES ± 1° FRACTIONS ± 1/32

DO NOT SCALE DRAWING

MATERIAL:

USED ON ASSY.

TIMES MICROWAVE SYSTEMS

TITLE: SURGE PROTECTOR
N FEMALE TO N FEMALE
20-1000 MHz

DWG. SIZE	DRWG. NO.	REV.
C	LP-BTR-NFF	A

CODE IDENT. 68999 60779 | SCALE: 2:1 | SHEET 1 OF 1