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
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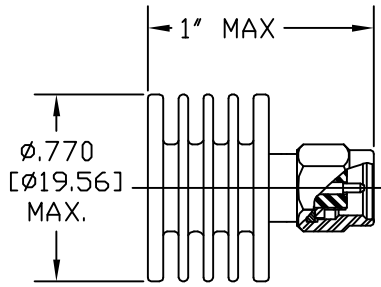
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**PRODUCTION  
RELEASE**

NOTE:  
THIS DRAWING INCORPORATES  
THIRD ANGLE PROJECTION.  
  
INTERPRET IAW ANSI Y14.5-1982

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
B	ADDED ORDERING INFO - NEW TITLE BLOCK	4/23/10	T. KUHN

SPECIFICATIONS



2001-700X-80

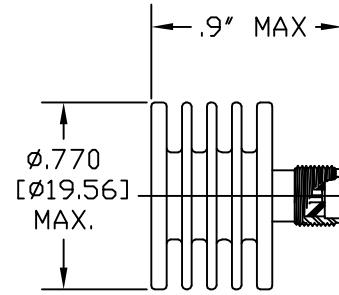
FREQUENCY RANGE: DC TO 6, 12.4 OR 18 GHz  
 VSWR(MAX.): 1.15:1 (DC - 4 GHz)  
 1.20:1 (4 - 12.4GHz)  
 1.25:1 (12.4 - 18 GHz)

POWER(AVG): 5 WATTS CW  
 DERATING: FULL @25°C AMBIENT TO 20% @125°C  
 (PEAK): 500 WATTS MAX.  
 @5 μSEC PULSE WIDTH x 0.25% DUTY CYCLE

IMPEDANCE(NOM.): 50 OHMS

ORDERING INFORMATION


X=	FREQUENCY RANGE
2	DC - 6 GHz
3	DC - 12.4 GHz
4	DC - 18 GHz



2002-700X-80

NOTES:

- MATERIAL: CENTER CONDUCTOR: BERYLLIUM COPPER PER QQ-C-530  
 OUTER CONDUCTOR: STAINLESS STEEL PER ASTM A484 & A582, CLASS 303, COND. A  
 HOUSING: ALUMINUM PER QQ-A-225(2024)  
 DIELECTRIC: TEFLON PER ASTM D1710.  
 RESISTOR SUBSTRATE AIN OR ALUMINA CERAMIC
- FINISH: CENTER CONDUCTOR: GOLD PER MIL-G-45204  
 OVER COPPER PLATE PER MIL-C-14550  
 OUTER CONDUCTOR: PASSIVATED PER ASTM A380.  
 HOUSING: BLACK ANODIZE  
 RESISTOR: PROPRIETARY THIN FILM WITH SiO<sub>2</sub> PROTECTIVE COATING

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000	
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	UNLESS OTHERWISE SPECIFIED TOLERANCES IN: DECIMALS INCH MM
SURFACE ROUGHNESS 	.X" .03" [.76] .XX" .010" [.25] .XXX" .005 [.127] .XXXX" .0005" [.013]
FINISH: SEE NOTES	ANGLES ±0°30' REMOVE ALL BURRS/SHARP EDGES WITH BREAK / R OF .005" TO .0005" UNLESS OTHERWISE NOTED
MATERIAL: SEE NOTES	

DRAWN D. SAUNDERS 7/5/2005	DATE
CHECKED	DATE
ENG. D. SAUNDERS 7/5/2005	DATE

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**5 WATT POWER TERMINATIONS  
OUTLINE DRAWING**

SIZE B	CAGE CODE 3HT76	DRAWING NUMBER 200X-700X-80
SCALE 80:1	DATE 3/23/10	SHEET XXX

SHEET 1 OF 1

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BCS1