

SMA ATTENUATORS

18 AND 23 GHz
2 WATTS

SPECIFICATIONS:

Electrical:

Frequency Range	DC - 23.0 GHz		
Standard Freq. Values	18 & 23 GHz		
Standard dB Values	0-10, 12, 15, 20 & 30 dB In 1 dB Increments		
Attenuation Accuracy:	DC-18 GHz	18-23 GHz	
1dB	±0.3 dB	±0.5 dB	
0, and 2 - 6 dB	±0.3 dB	±0.4 dB	
7 - 20 dB	±0.5 dB	±0.6 dB	
21 - 30 dB	±0.75 dB	±0.8 dB	

VSWR:

@ 30 MHz	1.05:1 Max.
DC - 4 GHz	1.15:1 Max.
4 - 8 GHz	1.20:1 Max.
8 - 12.4 GHz	1.25:1 Max.
12.4 - 18 GHz	1.35:1 Max.
18 - 23 GHz	1.40:1 Max.

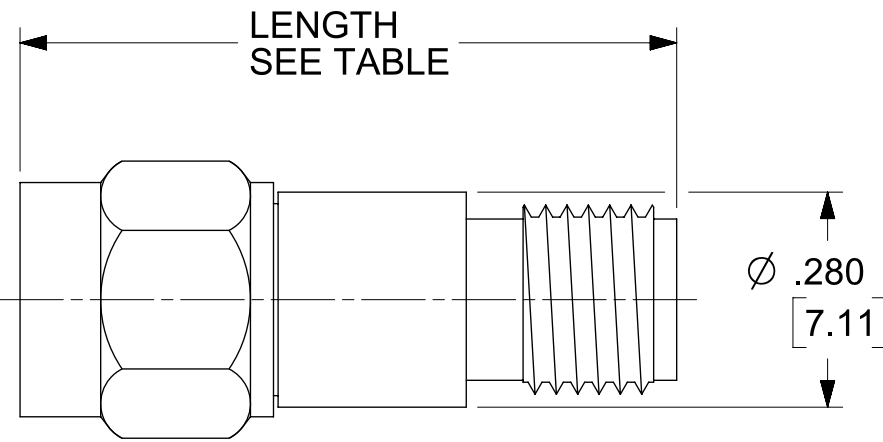
Input Power	2 Watts Avg. @ 25°C
	DERATED LINEARLY TO 0.5 WATTS @ +125°C

Peak Power	250 Watts Max.
	(5uSec Pulse, .05% Duty Cycle)

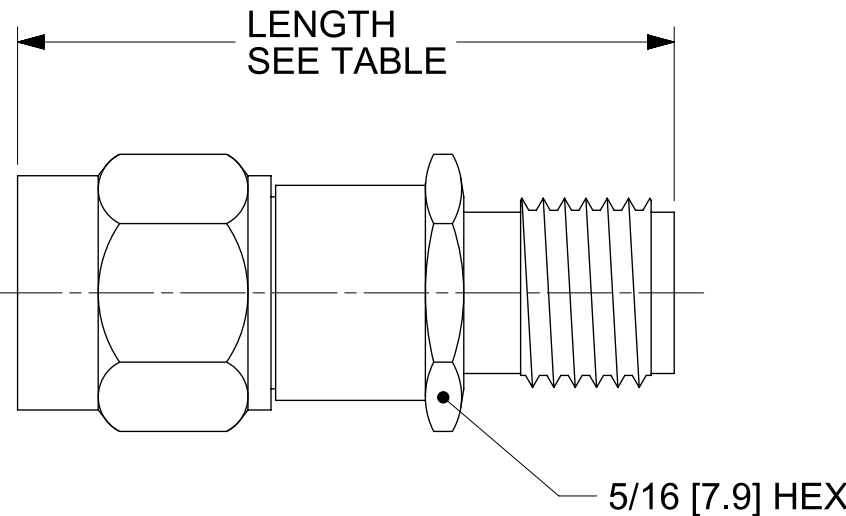
Impedance	50 Ohms
Operating Temp Range	-65°C to +125°C

Mechanical:

SMA Connectors	Passivated Stainless Steel
Mates with MIL-STD-348	
Conductors	Gold Plated Beryllium Copper



MALE/FEMALE WITHOUT HEX
SEE TABLE FOR CONFIGURATION OPTIONS



MALE/FEMALE WITH HEX
SEE TABLE FOR CONFIGURATION OPTIONS

Connector Configuration	LENGTH			
	0 - 12 dB		13 - 30 dB	
	Inches	Millimeters	Inches	Millimeters
Male/Female	.86 ±.03	[21.8 ±0.8]	.99 ±.03	[25.1 ±0.8]
Male/Male	.98 ±.03	[24.9 ±0.8]	1.11 ±.03	[28.2 ±0.8]
Female/Female	.87 ±.03	[22.1 ±0.8]	1.00 ±.03	[25.4 ±0.8]

MALE/MALE AND FEMALE/FEMALE CONFIGURATIONS NOT SHOWN

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FUNCTIONAL SYMBOLS F A = 0 F C = 0 F P = 0 DIVISIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: CREATED										
	INCH/MM		NTS												
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
		MM		INCH											
	4 PLACES	±		±											
	3 PLACES	±		±											
	2 PLACES	±		±											
	1 PLACE	±		±											
	0 PLACES	±		±											
	ANGULAR TOL ± 0.5°														
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						C-SIZE		73287		SEE TABLE		GENERAL MARKET		1 OF 3	

[illegible]