

SMA ATTENUATORS

UP TO 18 GHz
5 WATTS

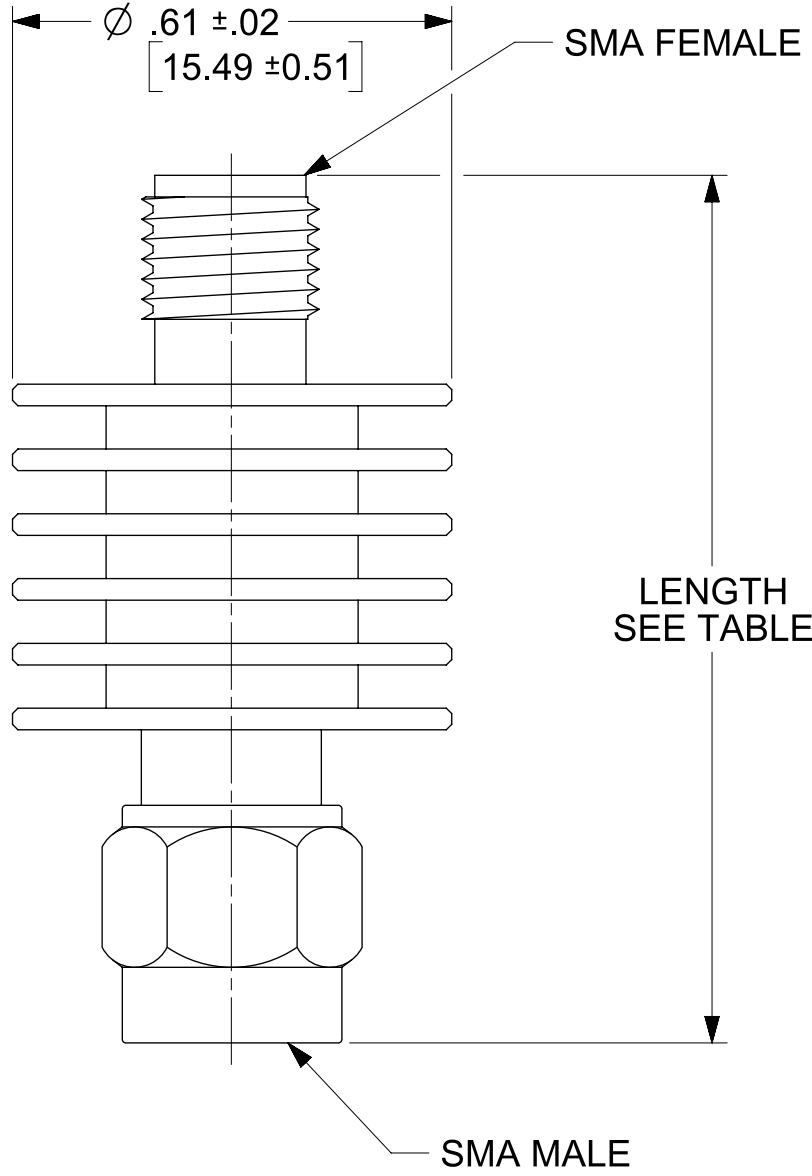
SPECIFICATIONS:

Electrical:

Frequency Range _____DC – 18 GHz
Standard Freq. Values _____4, 6, 12.4 & 18 GHz
Standard dB Values _____0 – 10, 12, 15, 20, 30 & 40 dB
Attenuation Accuracy _____In 1dB Increments
0 – 6 dB _____±0.3 dB
7 – 20 dB _____±0.5 dB
21 – 30 dB _____±0.75 dB
40 dB _____±1.5 dB
VSWR
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.
Input Power _____5 Watts Avg. @ 25°C
DERATED LINEARLY TO 1 WATT @ +125°C
Impedance _____50 Ohms
Operating Temp Range _____–65°C to +125°C

Mechanical:

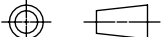
SMA Connectors _____Passivated Stainless Steel
Mates with MIL–STD–348
Conductors _____Gold Plated Beryllium Copper
Housing _____Anodized Aluminum



MALE/FEMALE
SEE TABLE FOR CONFIGURATION OPTIONS

Connector Configuration	LENGTH	
	Inches	Millimeters
Male/Female	1.20 ±.05	[30.5 ±1.3]
Male/Male	1.33 ±.05	[33.8 ±1.3]
Female/Female	1.06 ±.05	[26.9 ±1.3]

MALE/MALE AND FEMALE/FEMALE
CONFIGURATIONS NOT SHOWN

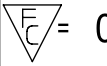
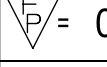
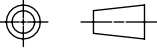
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
	DIMENSION UNITS		SCALE		CURRENT REV DESC: RELEASED								
	INCH/MM		NTS										
	GENERAL TOLERANCES (UNLESS SPECIFIED)												
			MM								INCH		
	4 PLACES		±		±								
	3 PLACES		±		±								
	2 PLACES		±		±								
	1 PLACE		±		±								
	0 PLACES		±		±								
ANGULAR TOL		± 0.5°		STATUS: Production DRWN: Kevin Tagan 2024-06-26 CHK'D: Les Meier 2024-06-27 APPR: James Borrelli 2024-06-27									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS													
THIRD ANGLE PROJECTION		DRAWING								SERIES			
				C-SIZE		73287		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
								SEE TABLE		GENERAL MARKET		1 OF 2	

				
18GHz, 5 WATT SMA ATTENUATORS				
PRODUCT CUSTOMER DRAWING				
DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
732870470		PSD	000	A
MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
SEE TABLE		GENERAL MARKET		1 OF 2

	12	11	10	9	8	7	6	5	4	3	2	1
H												
G												
F												
E												
D												
C												
B												
A												

18 GHz 5 Watt SMA		
Molex Part Number	Configuration	dB
0732870470	Male/Female	1dB
0732870471	Female/Female	1dB
0732870472	Male/Male	1dB
0732870480	Male/Female	2dB
0732870481	Female/Female	2dB
0732870482	Male/Male	2dB
0732870490	Male/Female	3dB
0732870491	Female/Female	3dB
0732870492	Male/Male	3dB
0732870500	Male/Female	4dB
0732870501	Female/Female	4dB
0732870502	Male/Male	4dB
0732870510	Male/Female	5dB
0732870511	Female/Female	5dB
0732870512	Male/Male	5dB
0732870520	Male/Female	6dB
0732870521	Female/Female	6dB
0732870522	Male/Male	6dB
0732870530	Male/Female	7dB
0732870531	Female/Female	7dB
0732870532	Male/Male	7dB
0732870540	Male/Female	8dB
0732870541	Female/Female	8dB
0732870542	Male/Male	8dB
0732870550	Male/Female	9dB
0732870551	Female/Female	9dB
0732870552	Male/Male	9dB
0732870560	Male/Female	10dB
0732870561	Female/Female	10dB
0732870562	Male/Male	10dB
0732870570	Male/Female	12dB
0732870571	Female/Female	12dB
0732870572	Male/Male	12dB
0732870580	Male/Female	15dB
0732870581	Female/Female	15dB
0732870582	Male/Male	15dB
0732870590	Male/Female	20dB
0732870591	Female/Female	20dB
0732870592	Male/Male	20dB
0732870600	Male/Female	30dB
0732870601	Female/Female	30dB
0732870602	Male/Male	30dB
0732870610	Male/Female	40dB
0732870611	Female/Female	40dB
0732870612	Male/Male	40dB

FOR CONFIGURATIONS NOT SHOWN
CONTACT FACTORY

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
		0	DIMENSION UNITS	SCALE		CURRENT REV DESC: RELEASED														
			INCH/MM	NTS																
		0	GENERAL TOLERANCES (UNLESS SPECIFIED)								STATUS: Production DRWN: Kevin Tagan 2024-06-26 CHK'D: Les Meier 2024-06-27 APPR: James Borrelli 2024-06-27									
				MM	INCH															
		0	4 PLACES	±	±	DOCUMENT NUMBER 732870470 DOC TYPE PSD DOC PART 000 REVISION A														
			3 PLACES	±	±															
	DIVISIONAL SYMBOLS		2 PLACES	±	±											PRODUCT CUSTOMER DRAWING				
			1 PLACE	±	±															
			0 PLACES	±	±															
ANGULAR TOL ± 0.5°																				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION 		DRAWING C-SIZE	SERIES 73287	MATERIAL NUMBER SEE TABLE	CUSTOMER GENERAL MARKET	SHEET NUMBER 2 OF 2											

FORMAT: INTC-6-prod-AC
REVISION: 0
DATE: 20220801

12	11	10	9	8	7	6	5	4	3	2	1
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