

TYPE N ATTENUATORS

UP TO 18 GHz
2 WATTS

SPECIFICATIONS:

Electrical:

Frequency Range _____ DC – 18 GHz
Standard Freq. Values _____ 2.5, 6, 12.4 & 18 GHz
Standard dB Values
0 – 10, 12, 15, 20, 30, 40, 50 & 60 dB
In 1 dB Increments

Attenuation Accuracy
0 – 6 dB _____ ±0.3 dB
7 – 20 dB _____ ±0.5 dB
21 – 30 dB _____ ±0.75 dB
31 – 60 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

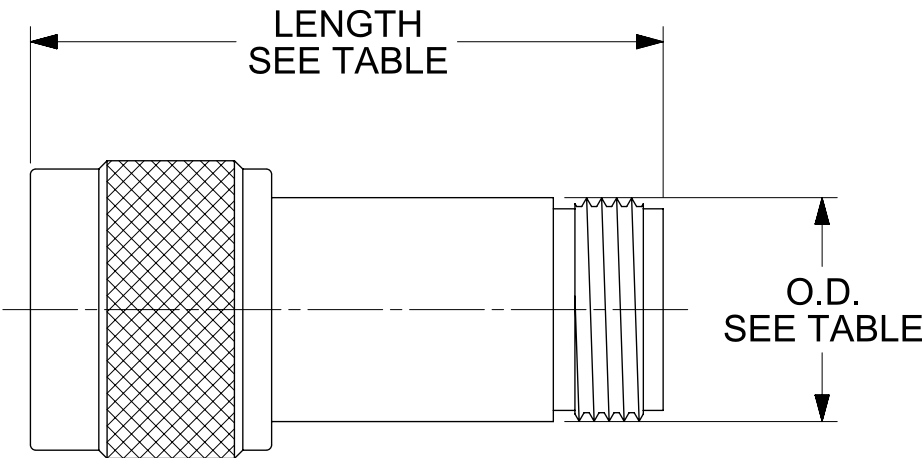
Input Power _____ 2 Watts Avg. @ 25°C
DERATED LINEARLY TO 0.5 WATTS @ +125°C

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

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

Mechanical:

Type N Connectors _____ Passivated Stainless Steel
Mates with MIL–STD–348
Conductors _____ Gold Plated Beryllium Copper



MALE/FEMALE
SEE TABLE FOR CONFIGURATION OPTIONS

Connector Configuration	DIA.		LENGTH			
			0 – 30 & 40 dB		31–39, 50 & 60 dB	
	Inches	Millimeters	Inches	Millimeters	Inches	Millimeters
Male/Female	∅ .62	[15.8]	1.76 ±.03	[44.7 ±0.8]	2.04 ±.03	[51.8 ±0.8]
Male/Male	∅ .56	[14.2]	1.82 ±.03	[46.2 ±0.8]	2.11 ±.03	[53.6 ±0.8]
Female/Female	∅ .56	[14.2]	1.99 ±.03	[50.5 ±0.8]	2.28 ±.03	[57.9 ±0.8]

MALE/MALE AND FEMALE/FEMALE
CONFIGURATIONS NOT SHOWN

FUNCTIONAL SYMBOLS FA = 0 FC = 0 FP = 0 DIVISIONAL 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		±	±	STATUS: Production DRWN: Kevin Tagan 2024-06-26 CHK'D: Les Meier 2024-06-27 APPR: James Borrelli 2024-06-27					
	3 PLACES		±	±						
	2 PLACES		±	±						
	1 PLACE		±	±						
	0 PLACES		±	±						
ANGULAR TOL		±	0.5°	THIRD ANGLE PROJECTION  DRAWING C-SIZE SERIES 73287						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										
 18GHz, 2 WATT TYPE N ATTENUATORS						PRODUCT CUSTOMER DRAWING				
						DOCUMENT NUMBER 732870330		DOC TYPE PSD	DOC PART 000	REVISION A
						MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		SHEET NUMBER 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 2 Watt Type N		
Molex Part Number	Configuration	dB
0732870330	Male/Female	1dB
0732870331	Female/Female	1dB
0732870332	Male/Male	1dB
0732870340	Male/Female	2dB
0732870341	Female/Female	2dB
0732870342	Male/Male	2dB
0732870350	Male/Female	3dB
0732870351	Female/Female	3dB
0732870352	Male/Male	3dB
0732870360	Male/Female	4dB
0732870361	Female/Female	4dB
0732870362	Male/Male	4dB
0732870370	Male/Female	5dB
0732870371	Female/Female	5dB
0732870372	Male/Male	5dB
0732870380	Male/Female	6dB
0732870381	Female/Female	6dB
0732870382	Male/Male	6dB
0732870390	Male/Female	7dB
0732870391	Female/Female	7dB
0732870392	Male/Male	7dB
0732870400	Male/Female	8dB
0732870401	Female/Female	8dB
0732870402	Male/Male	8dB
0732870410	Male/Female	9dB
0732870411	Female/Female	9dB
0732870412	Male/Male	9dB
0732870420	Male/Female	10dB
0732870421	Female/Female	10dB
0732870422	Male/Male	10dB
0732870430	Male/Female	12dB
0732870431	Female/Female	12dB
0732870432	Male/Male	12dB
0732870440	Male/Female	15dB
0732870441	Female/Female	15dB
0732870442	Male/Male	15dB
0732870450	Male/Female	20dB
0732870451	Female/Female	20dB
0732870452	Male/Male	20dB
0732870460	Male/Female	30dB
0732870461	Female/Female	30dB
0732870462	Male/Male	30dB

FOR CONFIGURATIONS NOT SHOWN
CONTACT FACTORY

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	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	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER	
														C-SIZE		73287	SEE TABLE	GENERAL MARKET		2 OF 2	

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