

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

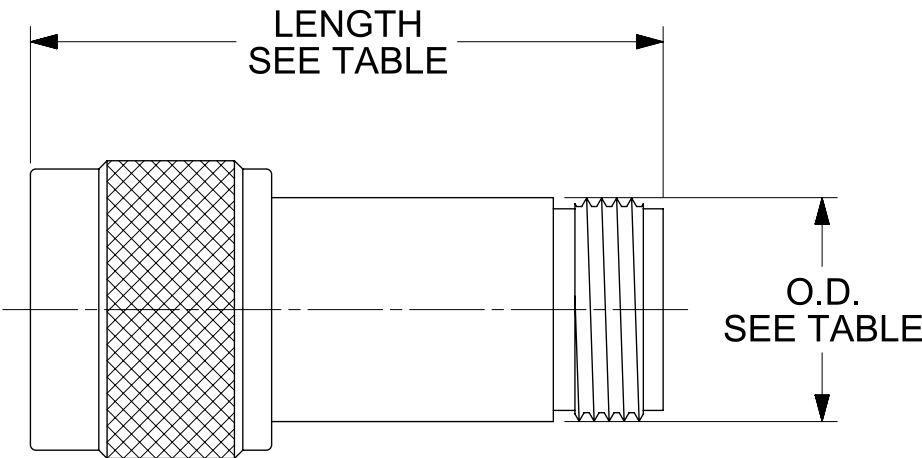
Input Power _____ 2 Watts Avg. @ 25°C
DERATED LINEARLY TO 0.5 WATTS @ +125°C

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	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
F_A = 0 F_C = 0 F_P = 0 DIVISIONAL SYMBOLS	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	
										73287		SEE TABLE		GENERAL MARKET		1 OF 2	
								</									

molex

18GHz, 2 WATT TYPE N ATTENUATORS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
732870330		PSD	000	A

[illegible]