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

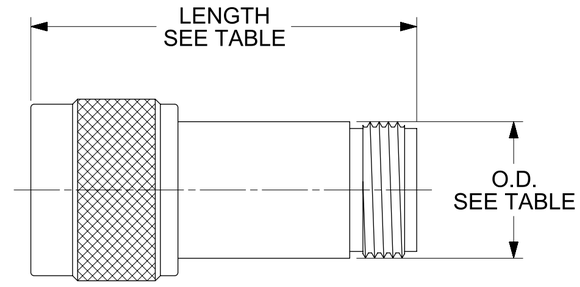
Input Power ____ 2 Watts Avg. @ 25°C
DERATED LINEARLY TO 0.5 WATTS @ +125°C

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	Ø .62	[15.8]	1.76 ±.03	[44.7 ±0.8]	2.04 ±.03	[51.8 ±0.8]
Male/Male	Ø .56	[14.2]	1.82 ±.03	[46.2 ±0.8]	2.11 ±.03	[53.6 ±0.8]
Female/Female	Ø .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

DIMENSION UNITS: INCH/MM
SCALE: 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

CURRENT REV DESC: RELEASED

STATUS: Production
DRWN: Kevin Tagan 2024-06-26
CHK'D: Les Meier 2024-06-27
APPR: James Borrelli 2024-06-27

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 73287

molex

18GHz, 2 WATT TYPE N ATTENUATORS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
732870330	PSD	000	A

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	1 OF 2

FORMAT: IN-TC-tb-prod-C
REVISION: B
DATE: 2022/08/01

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

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: INCH/MM
SCALE: 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

CURRENT REV DESC: RELEASED

STATUS: Production
DRWN: Kevin Tagan 2024-06-26
CHK'D: Les Meier 2024-06-27
APPR: James Borrelli 2024-06-27

THIRD ANGLE PROJECTION
DRAWING: C-SIZE
SERIES: 73287

molex

18GHz, 2 WATT TYPE N ATTENUATORS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
732870330	PSD	000	A

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	2 OF 2

FORMAT: IN-TC-dc-prod-C
REVISION: B
DATE: 2022/08/01