ATTENUATORS
TNC

UP TO 18 GHz
2 WATTS

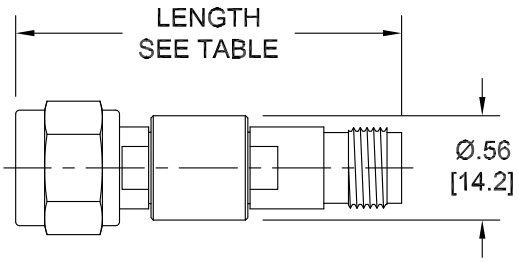
api technologies corp. > INMET

MODELS: T

SPECIFICATIONS:

Electrical:

Frequency Range ____ DC – 18 GHz
Standard Freq. Values ____ 12.4 & 18 GHz
Standard dB Values*
0 – 10, 12, 15, 20, 30, 40, 50 & 60 dB
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:

**TNC Connectors ____ Passivated Stainless Steel
Mates with MIL–STD–348
Conductors ____ Gold Plated Beryllium Copper
**18 GHz Mode Free

Base Model Number	Connector Configuration	LENGTH			
		0 – 30 & 40 dB		31 – 60 dB (Except 40dB)	
		Inches	Millimeters	Inches	Millimeters
XXT–YY	Male/Female	2.07 ±.05	[52.5 ±1.3]	2.35 ±.05	[59.7 ±1.3]
XXT–YYM	Male/Male	1.97 ±.06	[50.0 ±1.5]	2.26 ±.06	[57.4 ±1.5]
XXT–YYF	Female/Female	2.16 ±.05	[54.9 ±1.3]	2.45 ±.05	[62.2 ±1.3]

HOW TO ORDER:

Model Number: XXT-XXY
XXT: Freq. Range — 12 = DC – 12.4 GHz; 18 = DC – 18 GHz
XXY: dB Value
Connector Configuration: = Male/Female; F = Fem/Fem; M = Male/Male

Ordering Examples:

Model Number: 18T-20
DC – 18 GHz; 20 dB; TNC – Male/Fem

Model Number: 18T-6F
DC – 18 GHz; 6 dB; TNC – Fem/Fem

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.
Design specifications are subject to change without notice.
Contact factory for technical specifications before purchasing or use.

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