

ATTENUATORS

Type N / Conduction Cooled

DC - 4 GHz

50 Watts



MODELS: 2042-XX, 2042-XXF & 2042-XXM

SPECIFICATIONS:

Electrical:

Frequency Range	DC - 4.0 GHz	
Standard dB Values*	3, 6, 10, 20, 30 & 40 dB	
Attenuation Accuracy	DC - 2 GHz	2 - 4 GHz
3 & 6 dB	±0.30 dB	±0.50 dB
10 & 20 dB	±0.50 dB	±0.75 dB
30 & 40 dB	±1.00 dB	±1.50 dB
VSWR	1.25:1 Max.	
Input Power**	50 Watts Avg. @ 25°C	
	DERATED LINEARLY TO 5 WATTS @ +125°C	
Peak Power	5000 Watts Max.	
	(5uSec Pulse, .05% Duty Cycle)	
Impedance	50 Ohms	
Operating Temp Range	-55°C to +125°C	

Mechanical:

Type N Connectors	Passivated Stainless Steel
Notes with MIL-STD-348	
Conductors	Gold Plated Beryllium Copper
Housing	Anodized Aluminum

** Power handling capacity is dependant upon proper heatsinking. Surface temperature of unit shall not exceed 125°C for specifications shown. Unit is a unidirectional device. Input shall be at male port unless otherwise specified.

Model Number: 2042-XX

Male/Female Connectors

Length: 5.32 ±.05 [135.13 ±1.27]

Pictured

Model Number: 2042-XXF

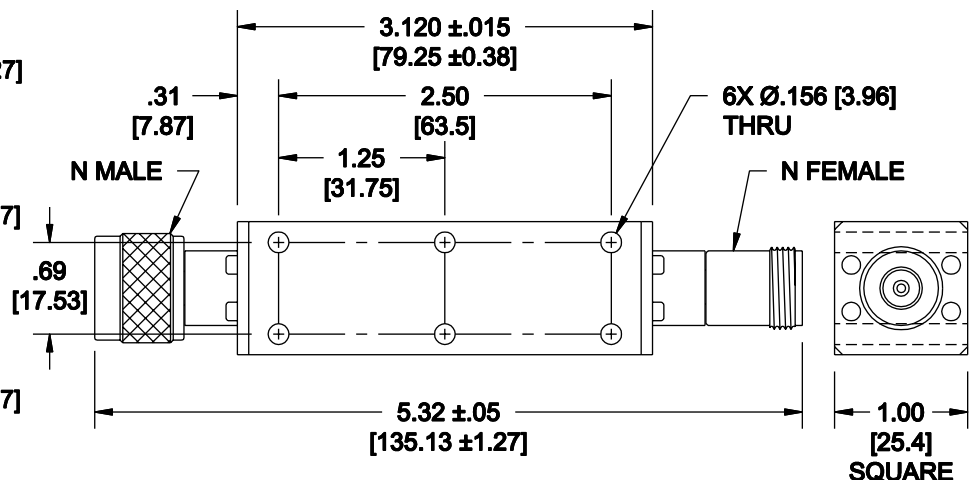
Female/Female Connectors

Length: 5.40 ±.05 [137.16 ±1.27]

Model Number: 2042-XXM

Male/Male Connectors

Length: 5.24 ±.05 [133.10 ±1.27]



HOW TO ORDER:

Model Number: 2042-XXY

Connector Configuration

= Male/Female

F = Fem/Fem

M = Male/Male

dB Value

Ordering Examples:

Model Number: 2042-20

DC - 4 GHz; 20 dB; Type N - Male/Fem

Model Number: 2042-02F

DC - 4 GHz; 2 dB; Type N - Fem/Fem

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.

*Other dB values are also available.

2042; REV E