

ATTENUATORS

TYPE N / CONDUCTION COOLED

DC - 4 GHz
50 WATTS

api 
technologies corp.
INMET

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

SPECIFICATIONS:

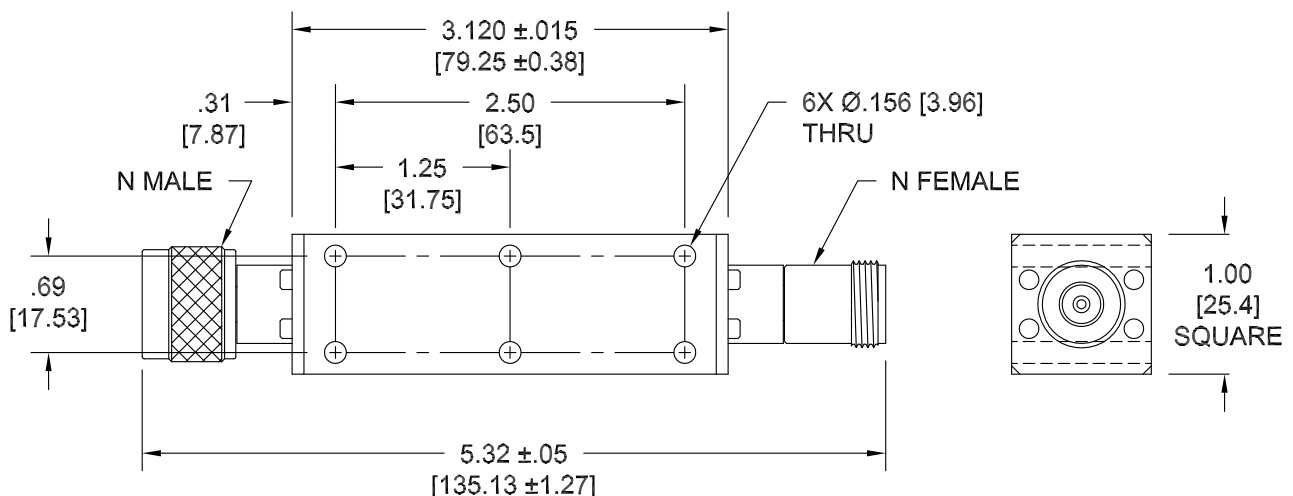
Electrical:

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:
DC - 2 GHz _____ 1.25:1 Max.
2 - 4 GHz _____ 1.35:1 Max.
Input Power** _____ 50 Watts Avg. @ 25°C
DERATED LINEARLY TO 5 WATTS @ +125°C
Peak Power _____ 1000 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
Mates 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	Model Number: 2042-XXF	Model Number: 2042-XXM
Male/Female Connectors	Female/Female Connectors	Male/Male Connectors
Length: 5.32 $\pm$.05 [135.13 $\pm$ 1.27]	Length: 5.40 $\pm$.05 [137.16 $\pm$ 1.27]	Length: 5.24 $\pm$.05 [133.10 $\pm$ 1.27]
Pictured		



HOW TO ORDER:

Model Number: **2042-XXY**

dB Value _____
Connector Configuration _____
= Male/Female
F = Fem/Fem
M = Male/Male

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.
Design specifications are subject to change without notice.
Contact factory for technical specifications before purchasing or use.