

ATTENUATORS

SMA / CONDUCTION COOLED

DC - 4 GHz
50 WATTS

api 
technologies corp.
> INMET

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

SPECIFICATIONS:

Electrical:

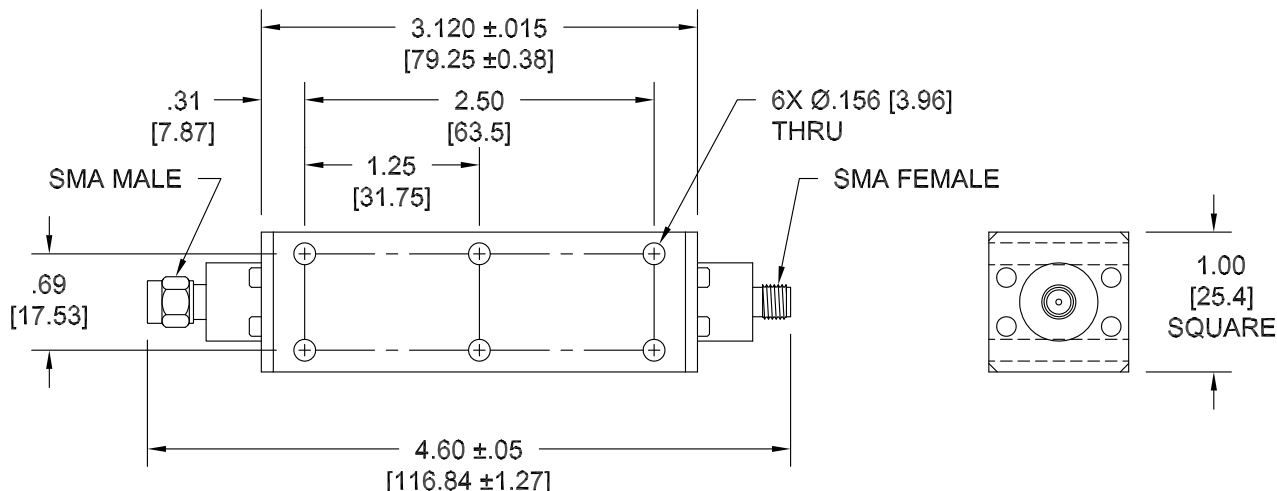
Frequency Range _____ DC - 4.0 GHz
Standard dB Values* _____ 3, 6, 10, 20, 30 & 40 dB
Attenuation Accuracy _____ DC - 2 GHz 2 - 4 GHz
3 & 6 dB _____ ± 0.30 dB _____ ± 0.50 dB
10 & 20 dB _____ ± 0.50 dB _____ ± 0.75 dB
30 & 40 dB _____ ± 1.00 dB _____ ± 1.50 dB
VSWR:
DC - 2 GHz _____ 1.25:1 Max.
2 - 4 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:

SMA 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: 2042S-XX	Model Number: 2042S-XXF	Model Number: 2042S-XXM
Male/Female Connectors	Female/Female Connectors	Male/Male Connectors
Length: 4.60 $\pm$.05 [116.84 $\pm$ 1.27]	Length: 4.47 $\pm$.05 [113.64 $\pm$ 1.27]	Length: 4.74 $\pm$.05 [120.25 $\pm$ 1.27]
Pictured		



HOW TO ORDER:

Model Number: **2042S-XXY**

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

Ordering Examples:

Model Number: **2042S-20**
DC - 4 GHz; 20 dB; SMA - Male/Fem

Model Number: **2042S-02F**
DC - 4 GHz; 2 dB; SMA - 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.