

ATTENUATORS

SMA, Conduction Cooled, DC - 4 GHz, 50 Watts

SPECIFICATIONS:

Models: 2042S-XX, 2042S-XXF, 2042S-XXM

RoHS
Compliant

AEROFLEX
A passion for performance.

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
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**

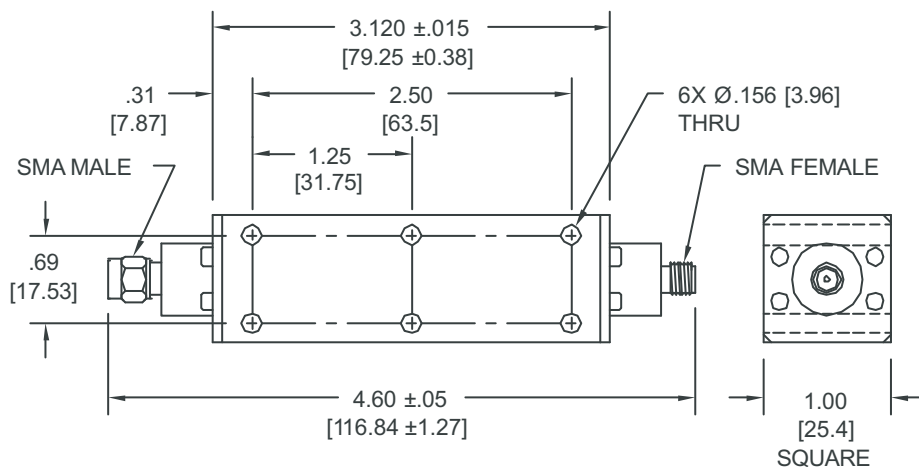
Male/Female Connectors
Length: $4.60 \pm .05$ [16.84 ± 1.27]
Pictured

Model Number: **2042S-XXF**

Female/Female Connectors
Length: $4.47 \pm .05$ [18.64 ± 1.27]

Model Number: **2042S-XXM**

Male/Male Connectors
Length: $4.74 \pm .05$ [120.25 ± 1.27]



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.

2042S: REV K

AEROFLEX
INMET

Aeroflex / Inmet, Inc. 300 Dino Drive, Ann Arbor, MI 48103 • U.S.A.
888-244-6638 or 734-426-5553 • FAX: 734-426-5557
www.aeroflex.com/inmet • inmet-sales@eroflex.com