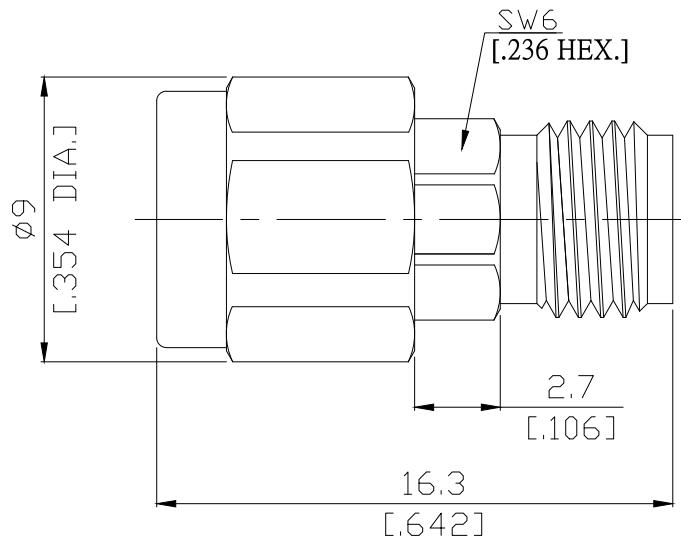


Fixed Attenuator SMA Male To SMA Female Up To 27 GHz Rated To 1 Watts With  
Black Anodized Aluminum Heatsink Body

**FA-PCA1PCA25A-27G1W10 / 9XX-9X**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface

According to

IEC 60169-15; MIL-STD-348A/310

#### Electrical Data

Impedance

50 Ω

Frequency

DC to 27 GHz

VSWR (Return Loss)

≤ 1.3 (≥ 17.7 dB)

Input Power

1 Watts Average at 25 °C

Frequency (GHz)	27
VSWR	1.3
Nominal Attenuation (dB)	10
Deviation (± dB)	±0.5

#### Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated
Piece Parts	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.:-

Date:  
12/7/2020

Rosnol RF/Microwave Technology Co., Ltd.  
[www.rosnol.com](http://www.rosnol.com); [info@rosnol.com](mailto:info@rosnol.com)

Phone: +886-3-463-5095 / Fax: +886-3-463-5952  
N-CAGE Code: SFKK0 / ISO9001 Certified

Page

1/2

## Fixed Attenuator SMA Male To SMA Female Up To 27 GHz Rated To 1 Watts With Black Anodized Aluminum Heatsink Body

## FA-PCA1PCA25A-27G1W10 / 9XX-9X

## Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Coupling Nut Retention	≥ 270 N
Center Contact Captivation: axial	≥ 20 N
Coupling Test Torque	1.70 Nm max.
Recommended Torque	0.9 Nm

## Environmental Data

Temperature Range	-55°C to + 125°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

## Packing

Single or 100