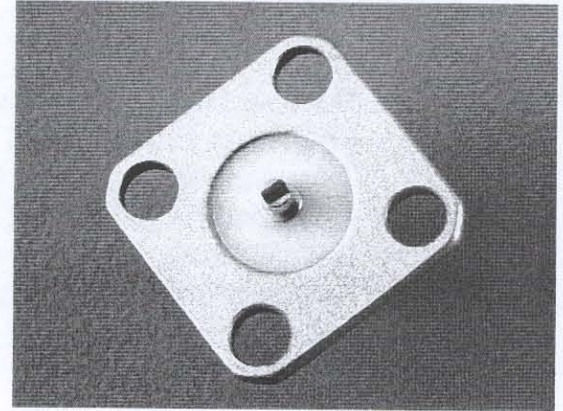
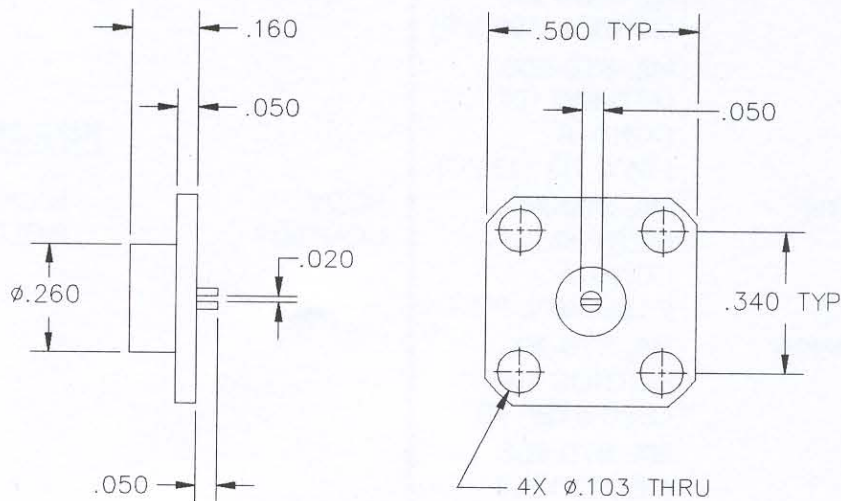


**FLANGE TERMINATION, STRIPLINE  
TYPE SMA**

- 10 WATT
- FREQUENCY RANGE DC - 18.0 GHz
- SLOTTED .020" CONTACT



Florida RF Labs' stripline flange terminations are designed for external package mounting and can be used in place of connectors in applications where termination removal is not a requirement. These terminations may be used in stripline and microstrip circuits and are recommended for applications such as isolators, circulators, couplers and power dividers. Florida RF Labs' terminations are designed to meet or exceed the requirements of MIL-E-5400 and MIL-D-39030.



**Component Reference Sheet**  
**Model Number: 42-1007**



Passive Power Solutions.

## SPECIFICATIONS

### Model Number: 42-1007

#### ELECTRICAL

Nominal Impedance (Ohms)	50
Frequency Range (GHz)	DC - 18.0
Temperature Coefficient (ppm)	<200
Operating Temperature (°C)	-55 to +125
VSWR (Max)	1.30:1
Average Power Handling (Watts)	10 (-55°C to +100°C Derate Linearly to 0 Watts @ 150°C)
DC Resistance (Ohms)	50 ± 5%

#### ENVIRONMENTAL

##### REQUIREMENTS

VIBRATION

SHOCK

THERMAL SHOCK

TERMINAL STRENGTH

MOISTURE RESISTANCE

SOLDERABILITY

RESISTANCE TO  
SOLDER HEAT

##### RATINGS

MIL-STD-202  
METHOD 204  
COND. D (20 G'S)

MIL-STD-202  
METHOD 213  
COND. 1 (100 G'S)

MIL-STD-202  
METHOD 107  
COND. B  
(-65°C TO +125°C)

MIL-STD-202  
METHOD 211  
COND. A  
2 LBS. MIN. PULL

MIL-STD-202  
METHOD 106  
LESS STEP 7B

MIL-STD-202  
METHOD 208

MIL-STD-202  
METHOD 210  
COND. A

#### MATERIAL

BODY  
SUBSTRATE  
CONTACT  
INSULATOR  
RESISTIVE FILM

COPPER PER ASTM B301  
BERYLLIUM OXIDE  
BRASS PER QQ-B-626  
TEFLON PER MIL-P-19468  
NICHROME

#### FINISH

BODY  
CONTACT

NICKEL PER QQ-N-290  
GOLD PER MIL-G-45204

P.O. Box 899  
Stuart, FL 34995  
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(561) 286-9300  
Fax: (561) 283-5286  
Website: <http://www.rflabs.com>  
Email: [rflabs@rflabs.com](mailto:rflabs@rflabs.com)

**For additional information on this device or others  
please contact Florida RF Labs.**

Florida RF Labs reserves the right to change or alter  
mechanical, electrical and dimensional characteristics of this product.

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42-1007



I.S. EN ISO 9001  
REG. NO. M2039