

STRIPLINE FLANGE TERMINATIONS

SERIES PFT

GENERAL INFORMATION:

Flange terminations are used to terminate transmission lines and may be mounted in place of standard 4 hole connector patterns. VSWR is optimized & matched into 1/8 inch ground plane spacing. Both potted and teflon insulated versions are available as noted.

GENERAL SPECIFICATIONS:

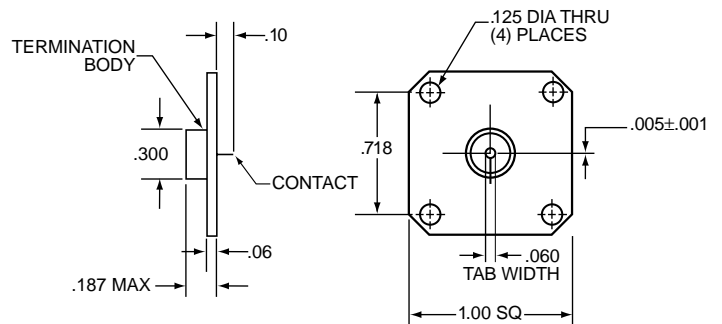
Temperature Coefficient:	<150 PPM/°C	
Life Test:	<1% change for 1000 hours full load and 100°C	
Moisture Resistance:	<1% change when tested per Method 106 of MIL-STD-202	
Contacts:	Copper or Brass, Gold Plated per MIL-G-45204	
Housings:	Copper or Brass, Nickel Plated per QQ-N-290 (PFT1002-1 = Aluminum Alloy with Chromate finish.)	
Resistive Element:	Proprietary thin film	
Potting:	Proprietary dielectric or teflon	
*VSWR (Max.):	DC-4 GHz	1.10
	4-8 GHz	1.20
	8-18 GHz	1.30
	18-26.5 GHz	1.50
	*as measured in a 0.125" ground plane stripline circuit.	

NOTES:

1. Power rating is with case temperature at 100°C max.
2. All models meet the applicable portions of MIL-D-39030.
3. Models to 25 Watts available on special order. Contact factory for details.
4. Models with other connector flange sizes such as BNC, TNC and N also available on special order. Contact factory for details.

PERFORMANCE SPECIFICATIONS

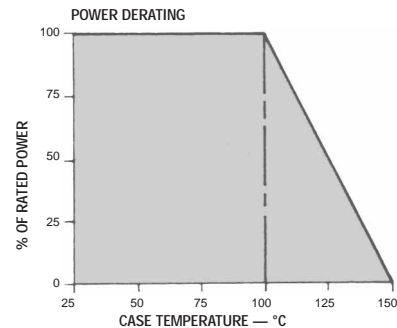
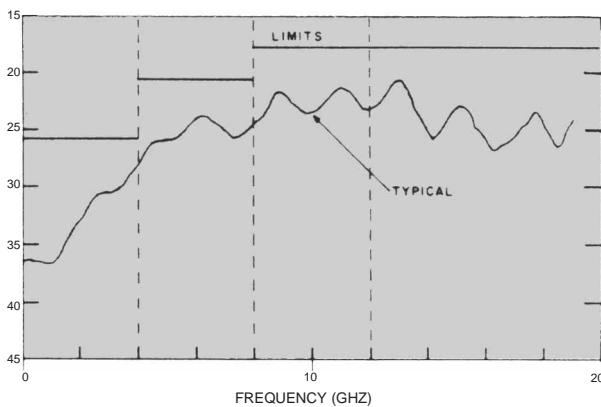
Part Number	Frequency Range (GHz)	Input Power (Watts)	Outline	Dielectric Insulated
PFT 500-4	DC-18	1	C	Potted
PFT 500-5	DC-18	1	C	Potted
PFT 500-6	DC-18	1	C	Potted
PFT 501-4	DC-12.4	10	D	Potted
PFT 501-8	DC-12.4	10	D	Potted
PFT 500-2	DC-12.4	15	E	Potted
PFT 500-3	DC-12.4	1	F	Potted
PFT 500-7	DC-18	1	F	Potted
PFT 500-1	DC-12.4	15	G	Potted
PFT 501-12	DC-18	10	H	Teflon
PFT 526-7**	DC-26.5	1	F	Potted
PFT 1002-1	DC-4	15	J	Teflon



OUTLINE J

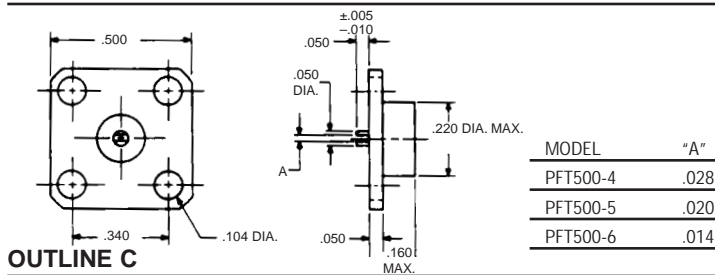
Typical VSWR Characteristics — Model PFT-500-4

STANDARD RESISTANCE: 50Ω



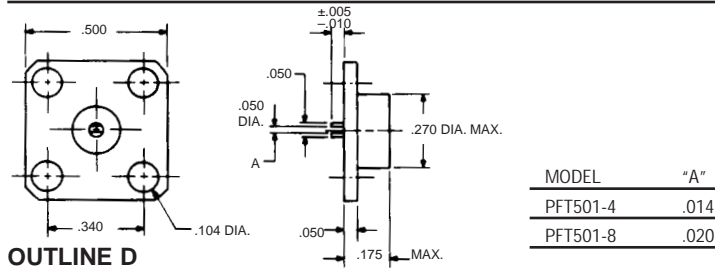
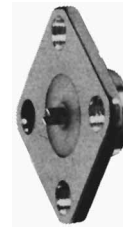
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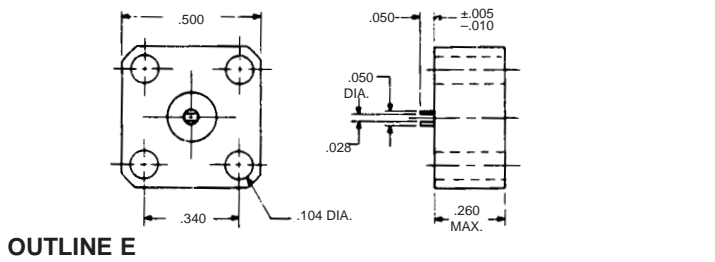
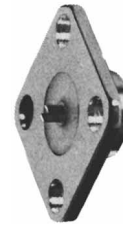
OUTLINE C

**Slotted Contact Models
1 WATT**



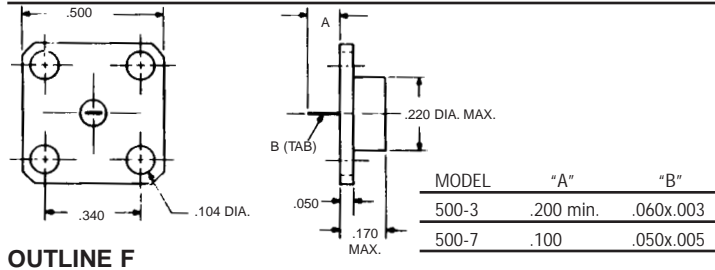
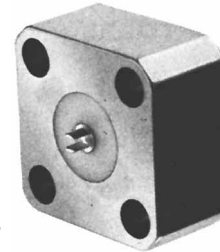
OUTLINE D

**Slotted Contact Models
10 WATT**



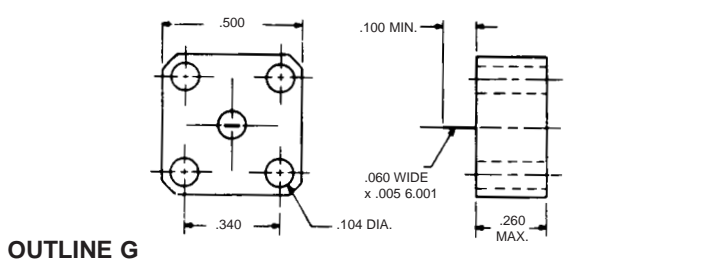
OUTLINE E

**Slotted Contact Models
15 WATT**



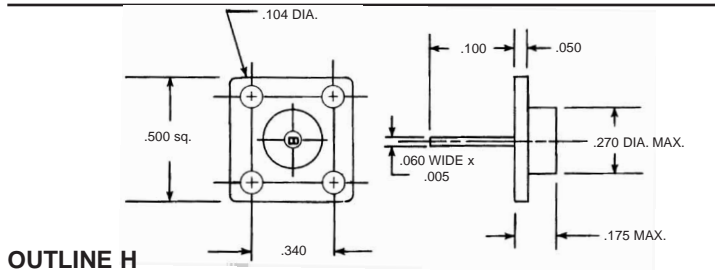
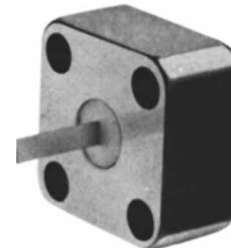
OUTLINE F

**Tab Contact Models
1 WATT**



OUTLINE G

**Tab Contact Models
15 WATT**



OUTLINE H

**Tab Contact Models
10 WATT**

