

STRIPLINE FLANGE TERMINATIONS

DC-18 GHz

SERIES PFT

GENERAL INFORMATION

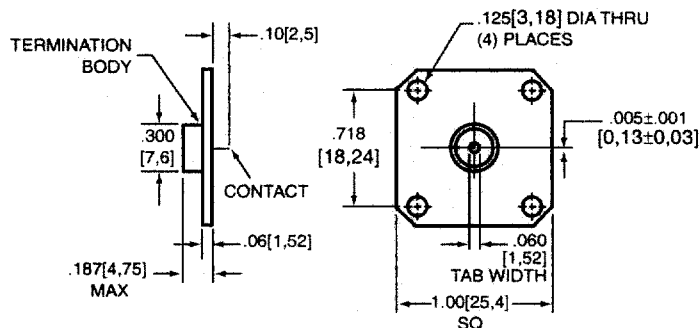
Flange terminations are used to terminate transmission lines and may be mounted in place of standard 4 hole connector patterns. VSWR is optimized & matched into 1/8 inch[3,18 mm] ground plane spacing. Both potted and teflon insulated versions are available as noted.

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 (Maximum):	DC-4 GHz	1.10
	4-8 GHz	1.20
	8-18 GHz	1.30
	*as measured in a 0.125"[3,17] ground plane stripline circuit.	

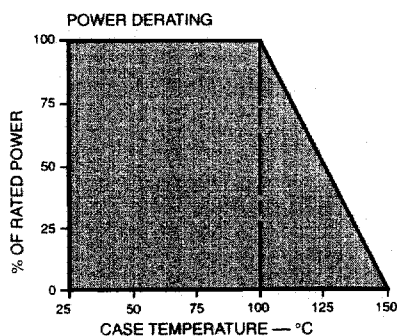
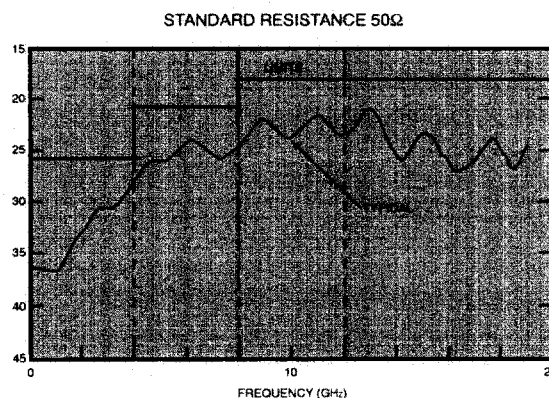
Notes:

1. Power rating is with case temperature at 100°C maximum
2. All models meet the applicable portions of MIL-D-39030.
3. Models to 20 Watts available on special order. Contact factory for details.



OUTLINE J

Typical VSWR Characteristics — Model PFT-500-4



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 1002-1	DC-4	15	J	Teflon

KEY: Dimensions in parentheses are in inches (millimeters). XX ± YY.ZZ, XXX ± 0.01 (X ± 0.2, XXX ± 0.25)



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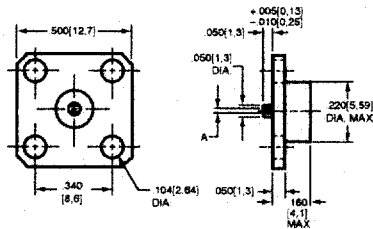
STRIPLINE FLANGE TERMINATIONS

DC-26.5 GHz

SERIES PFT

OUTLINE C

MODEL	"A"
PFT500-4	.028[0,711]
PFT500-5	.020[0,51]
PFT500-6	.014[0,356]

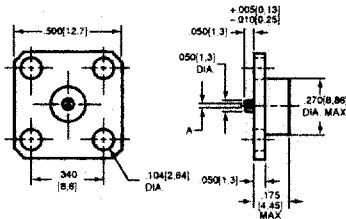


Slotted Contact Models 1 WATT



OUTLINE D

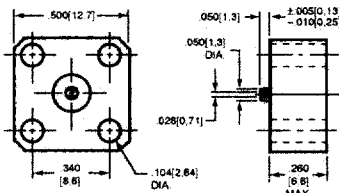
MODEL	"A"
PFT501-4	.014[0,356]
PFT501-8	.020[0,51]



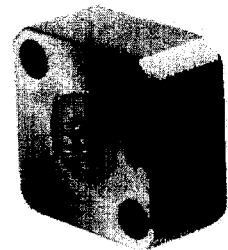
Slotted Contact Models 10 WATT



OUTLINE E

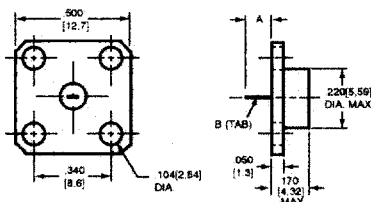


Slotted Contact Models 15 WATT

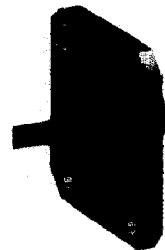


OUTLINE F

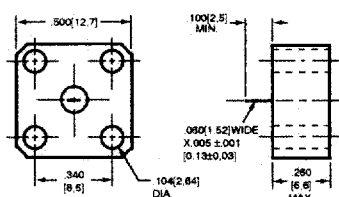
MODEL	"A"	"B"
500-3	.200 minimum	.060x.003
	[5,1]	[1,6]x[0,08]
500-7	.100	.050x.005
	[2,5]	[1,3]x[0,13]



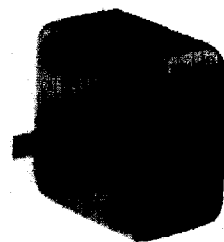
Tab Contact Models 1 WATT



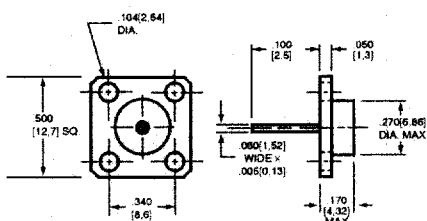
OUTLINE G



Tab Contact Models 15 WATT



OUTLINE H



Tab Contact Models 10 WATT



KEY: Inches (Millimeters) .XX ± .XX .XX ± .010 (.XX ± .010)



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