

STRIPLINE FLANGE TERMINATIONS

DC-26.5 GHz

SERIES PFT

GENERAL INFORMATION:

Flange terminations are used to terminate transmission lines and may be mounted in place of standard 4 hole 1/2 inch or 3/8 inch square 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
Resistive Element: Proprietary thin film
Potting: Proprietary dielectric or teflon
***VSWR (Max.):** DC-4 GHz—1.10:1, 4-8 GHz—1.20:1, 8-18 GHz—1.30:1, 18-26.5 GHz—1.50:1

*as measured in a 0.125" ground plane stripline circuit.

Notes:

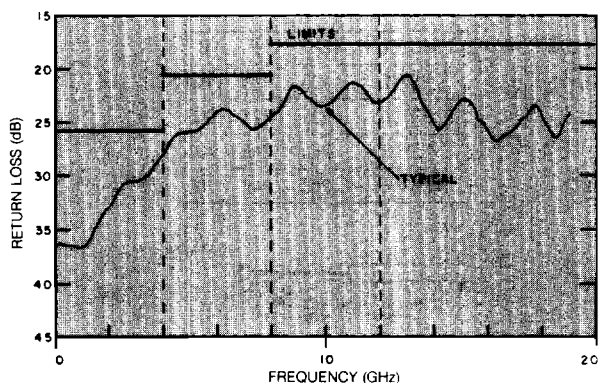
1. Power rating is with case temperature at 100°C max.
2. All models meet the applicable portions of MIL-D-39030.
3. Models to 25 Watts available on special order. Contact factory for details.
4. Models with other connector flange sizes such as BNC, TNC, and N also available on special order. Contact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

PERFORMANCE SPECIFICATIONS

Part Number	Frequency Range (GHz)	Input Power (Watts)	Outline	Dielectric Insulated
PFT-371-4 PFT-371-5, 6	DC-26.5	1	A	Potted
PFT-371-7	DC-26.5	1	B	Potted
PFT-375-3 PFT-375-4, 8	DC-26.5	5	A	Potted
PFT-375-7	DC-26.5	5	B	Potted
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-500-14	DC-18	1	C	Teflon
PFT-500-15	DC-18	1	C	Teflon
PFT-500-16	DC-18	1	C	Teflon
PFT-501-12	DC-18	10	H	Teflon
PFT-501-14	DC-18	10	D	Teflon
PFT-501-18	DC-18	10	D	Teflon
PFT-526-7**	DC-26.5	1	F	Potted

Typical VSWR Characteristics — Model PFT-500-4

STANDARD RESISTANCE: 50Ω



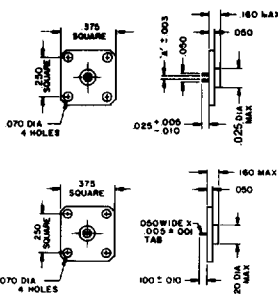
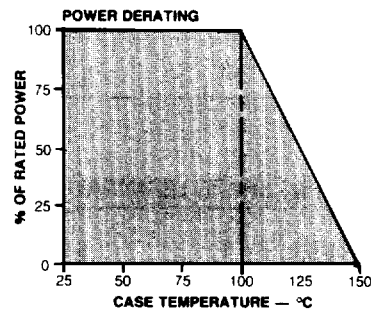
*VSWR (PFT-526-7) Max.

DC-8 GHz 1.10:1

8-18 GHz 1.15:1

18-26.5 GHz 1.20:1

**measured in 0.062 ground plane stripline



OUTLINE A

MODEL	"A"
PFT371-4	.028
PFT-371-5	.020
PFT-371-6	.014
PFT-375-3	.032
PFT-375-4	.014
PFT-375-8	.020



Outline A, Slotted
1 WATT



Outline B, Tab
5 WATTS

**KDI/triangle
ELECTRONICS**

31 Farinella Drive • East Hanover, NJ 07936 • Phone: (201) 884-1423
 TWX: (710) 986-8202 • FAX: (201) 884-0445

STRIPLINE FLANGE TERMINATIONS

DC-26.5 GHz

SERIES PFT

MODEL	"A"
PFT500-4, 14	.028
PFT500-5, 15	.020
PFT500-6, 16	.014

OUTLINE C

Slotted Contact Models
1 WATT



MODEL	"A"
PFT501-4, 14	.014
PFT501-8, 18	.020

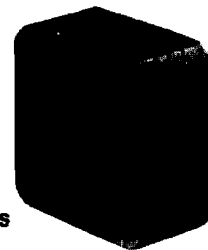
OUTLINE D

Slotted Contact Models
10 WATT



OUTLINE E

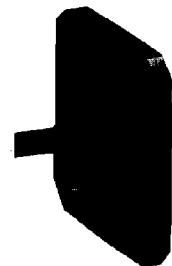
Slotted Contact Models
15 WATT



MODEL	"A"	"B"
500-3	.200 min.	.060x.003
500-7	.100	.050x.005
526-7	.100	.050x.005

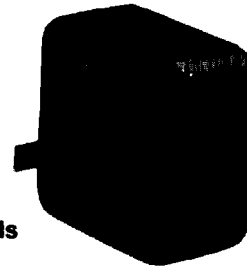
OUTLINE F

Tab Contact Models
1 WATT



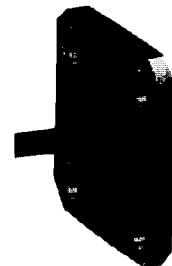
OUTLINE G

Tab Contact Models
15 WATT



OUTLINE H

Tab Contact Model
10 WATT



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