

SERIES PPIS, PPIR, PPIT - RESISTORS & TERMINATIONS

High Power, Thin Film, Drop-in – 10-650 Watts, DC-4 GHz

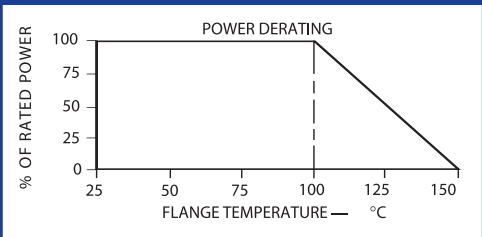
GENERAL INFORMATION

These high power devices are designed to dissipate power in R.F. circuits when mounted to an appropriate heat sink. The terminations provide a low VSWR under maximum power conditions. The resistor configurations are typically used in “Wilkinson” type power divider networks, or to terminate 3 dB stripline or microstrip hybrids.

NOTE


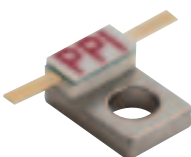
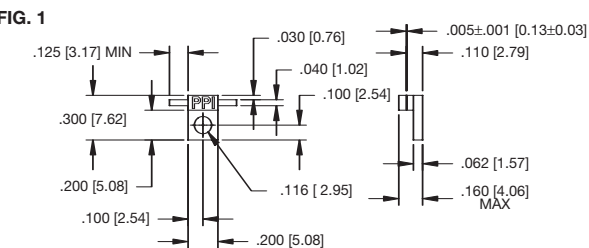


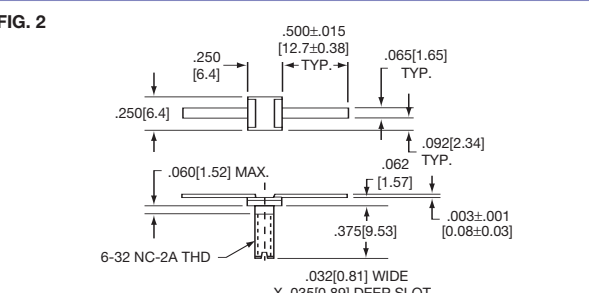
1. Input power ratings are based on flange temperature of 100°C maximum.
2. 50 and 100 Ohms standard. Other values from 10-500 Ohms available on special order. Contact factory for details. Standard tolerance +/- 5%. Specify resistance value when ordering.
3. VSWR applies to termination style only.

AVERAGE POWER DERATING CURVE


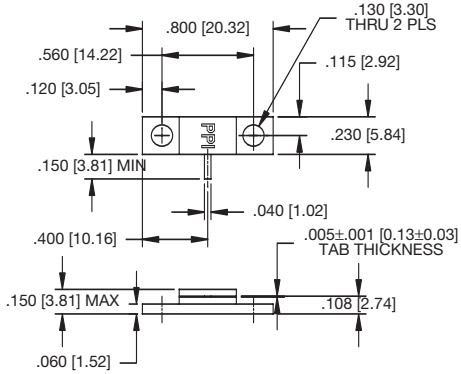
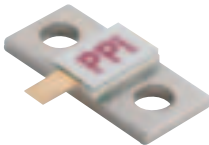
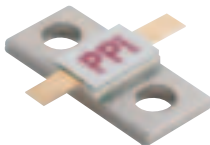
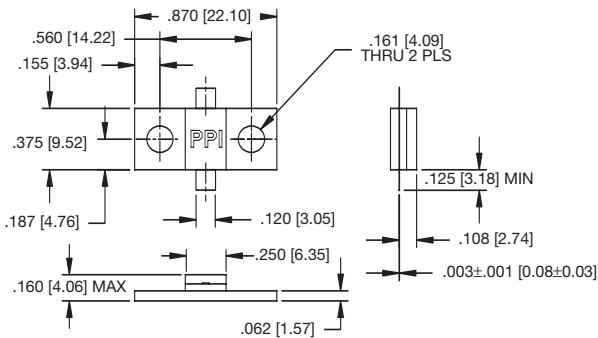

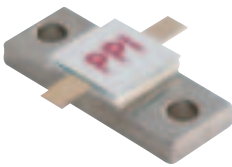
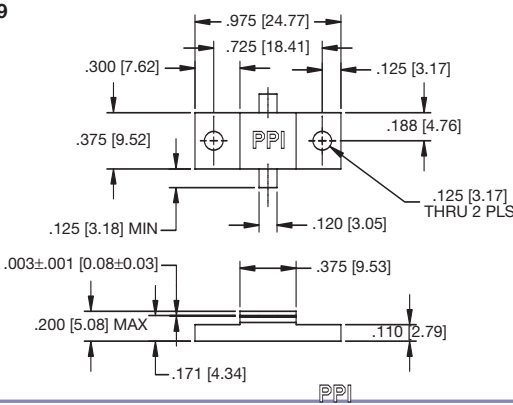

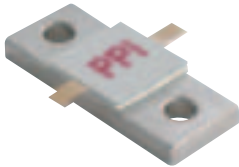
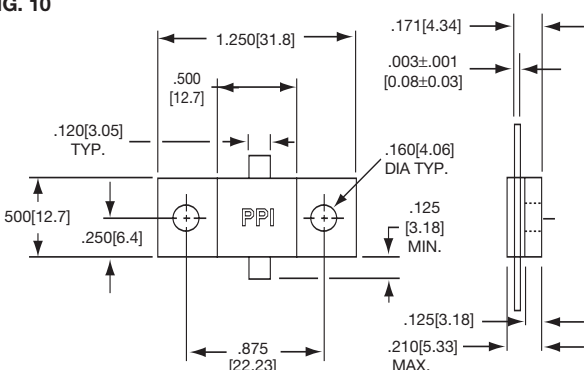


Model	Frequency Range	Input Power (Watts Avg)	VSWR (Typical) (Note 3)	Capacitance (pF) (Typ)	Figure No.
PPIR & PPIT 300-10-3*	DC-4.0GHz	10	1.35:1 - DC-4.0GHz	0.8	1
PPIS-100 & PPIS-200*	DC-2.0GHz	20	1.25:1 - DC-2.0GHz	1.2	2
PPIR & PPIT 515-20-3*	DC-2.0GHz	20	1.10:- - DC-1.0GHz 1.25:1 - 1.0-2.0 GHz	0.8	3
PPIT 515-30-4	DC-4.0GHz	30	1.20:1 - DC-4 GHz	1.2	4
PPIR & PPIT 515-30*	DC-2.0GHz	30	1.10:- - DC-1.0GHz 1.25:1 - 1.0-2.0 GHz	0.8	5
PPIR & PPIT 800-40-3*	DC-4.0GHz	40	1.25:1 - DC-4.0GHz	1.4	6
PPIT 800-100A	DC-2.0GHz	100	1.25:1 - DC-2.0GHz	1.4	7
PPIR & PPIT 870-150-3*	DC-1.0GHz	150	1.20:1 - DC 500 MHz 1.35:1 - 500-1000 MHz	3.5	8
PPIR & PPIT 975-250-3	DC-1.0GHz	250	1.25:1 - DC 500 MHz 1.35:1 - 500-1000 MHz	5	9
PPIR & PPIT 1250-400	DC-500MHz	400	1.50:1 - DC-500 MHz	7	10
PPIR & PPIT 1900-800	DC-500MHz	650	1.25:1 - DC 200 MHz 1.50:1 - 200-500 MHz	10.2	11

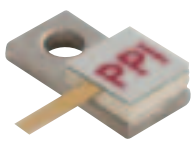
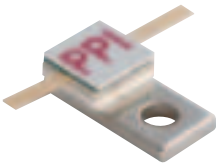
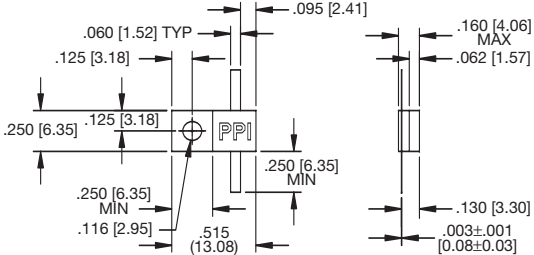
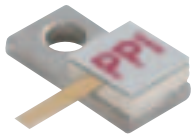
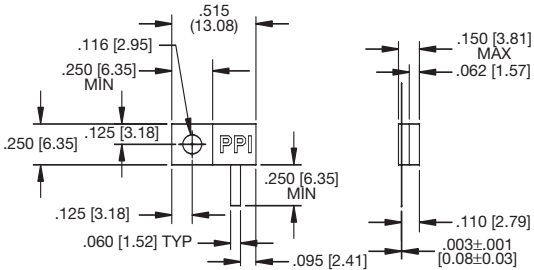

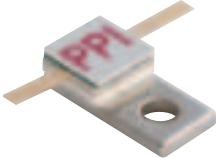
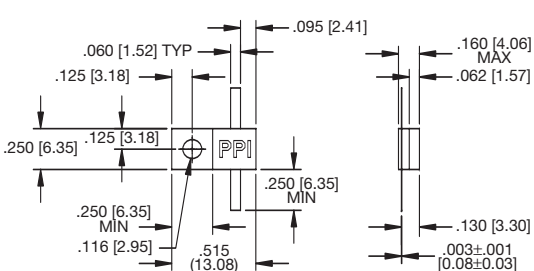

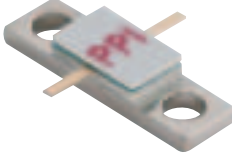
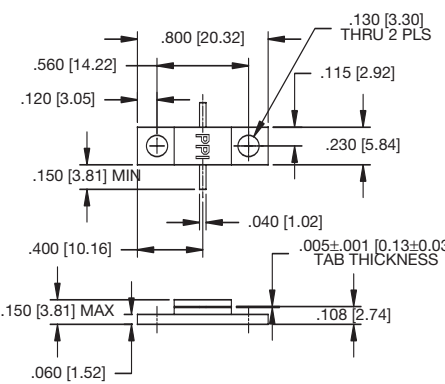
PHYSICAL DIMENSIONS

TERMINATIONS (PPIT) SERIES	RESISTORS (PPIR) SERIES	FIGURES
PPIT 300-10-3— 10 WATTS Flange Mounted 	PPIR 300-10-3— 10 WATTS Flange Mounted 	FIG. 1 
PPIMS 100 — 20 WATTS Stud Mounted 	PPIMS 200 — 20 WATTS Stud Mounted 	FIG. 2 

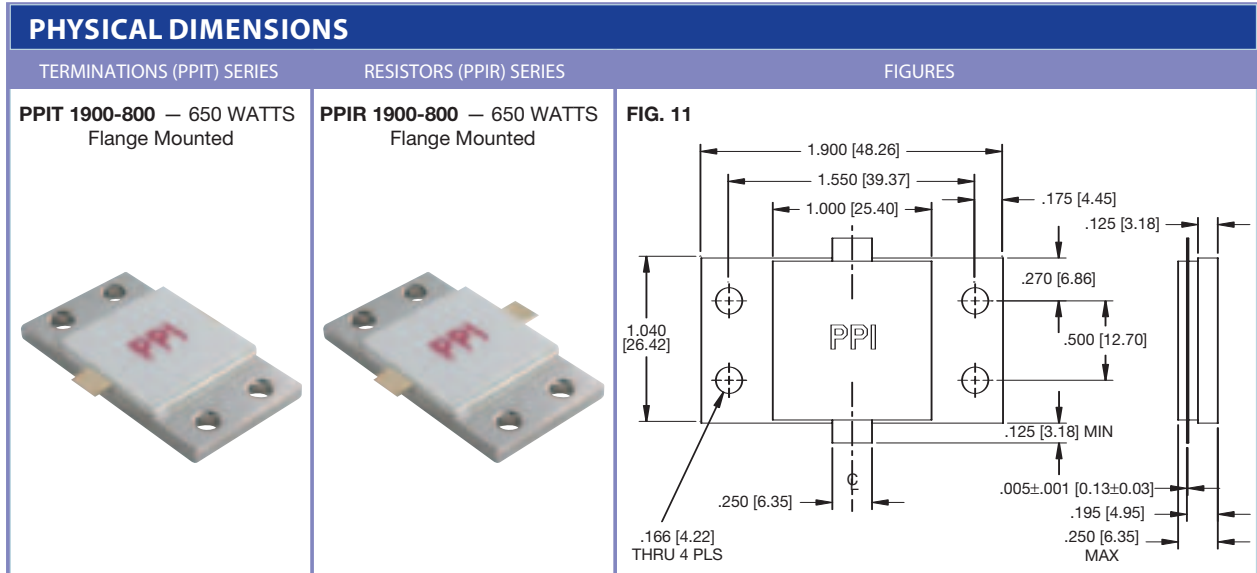
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PHYSICAL DIMENSIONS		
TERMINATIONS (PPIT) SERIES	RESISTORS (PPIR) SERIES	FIGURES
<p>PPIT 800-100A — 100 WATTS Flange Mounted</p> 	<p><i>Offered as a Termination Only!</i></p>	<p>FIG. 7</p> 
<p>PPIT 870-150-3 — 150 WATTS Flange Mounted</p> 	<p>PPIR 870-150-3 — 150 WATTS Flange Mounted</p> 	<p>FIG. 8</p> 
<p>PPIT 975-250-3 — 250 WATTS Flange Mounted</p> 	<p>PPIR 975-250-3 — 250 WATTS Flange Mounted</p> 	<p>FIG. 9</p> 
<p>PPIT 1250-400 — 400 WATTS Flange Mounted</p> 	<p>PPIR 1250-400 — 400 WATTS Flange Mounted</p> 	<p>FIG. 10</p> 

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TERMINATIONS (PPIT) SERIES	RESISTORS (PPIR) SERIES	FIGURES
<p>PPIT 515-20-3— 20 WATTS Flange Mounted</p> 	<p>PPIR 515-20-3— 20 WATTS Flange Mounted</p> 	<p>FIG. 3</p> 
<p>PPIT 515-30-4— 30 WATTS Flange Mounted</p> 	<p><i>Offered as a Termination Only!</i></p>	<p>FIG. 4</p> 
<p>PPIT 515-30— 30 WATTS Flange Mounted</p> 	<p>PPIR 515-30— 30 WATTS Flange Mounted</p> 	<p>FIG. 5</p> 
<p>PPIT 800-40-3— 40 WATTS Flange Mounted</p> 	<p>PPIR 800-40-3— 40 WATTS Flange Mounted</p> 	<p>FIG. 6</p> 

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Key : Inches [Millimeters] .XX ±.03 .XXX ±.010 [X ±0.8 .XX ±0.25]