

HIGH POWER

RESISTORS & TERMINATIONS

THIN FILM DROP-IN 10-800 WATTS DC-18 GHz

SERIES PMS, PPR PPT

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.

NOTES:

1. 50 and 100 Ohms standard. Other values from 10-500 Ohms available on special order. Contact factory for details. Standard tolerance $\pm 5\%$. Specify resistance value when ordering.
2. Unless otherwise specified, all tolerances ± 0.010 inches.
3. All models meet the applicable portions of MIL-E-5400 and MIL-R-55342.

GENERAL SPECIFICATIONS:

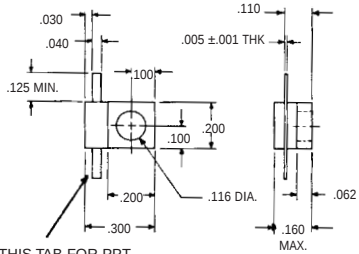
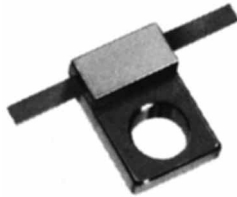
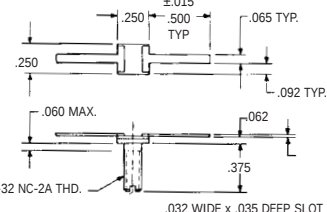
Resistive Element:	Proprietary Thin Film
Substrate:	Beryllium Oxide Ceramic
Cover:	Alumina Ceramic
Mounting Flange:	Copper, Nickel Plated per QQ-N-290
Tab:	Beryllium Copper, Gold Plated per MIL-G-45204

PERFORMANCE SPECIFICATIONS

	Frequency Range	Input Power (Watts Avg.)	Peak	VSWR (Max.)*	Capacitance (pF) (Typ.)	Figure No.
PPR & PPT300-10-3	DC-4.0 GHz	10	1 kW	1.35:1—DC-4.0 GHz	0.8	1
PMS-100 & PMS-200	DC-2.0 GHz	20	2 kW	1.25:1—DC-2.0 GHz	1.2	2
PPR & PPT515-20-3	DC-2.0 GHz	20	2 kW	1.10:1—DC-1.0 GHz 1.25:1—1.0-2.0 GHz	0.8	3
PPT515-30-4	DC-4.0 GHz	30	1 kW	1.20:1—DC-4 GHz	1.2	4
PPR & PPT515-30	DC-2.0 GHz	30	2 kW	1.10:1—DC-1.0 GHz 1.25:1—1.0-2.0 GHz	0.8	5
PPR & PPT800-40-3	DC-4.0 GHz	40	2 kW	1.25:1—DC-4.0 GHz	1.4	6
PPR & PPT820-75-3	DC-1.5 GHz	75	4 kW	1.25:1—DC-1.0 GHz 1.40:1—1.0-1.5 GHz	1.0	7
PPR & PPT870-100-3	DC-2.0 GHz	100	4 kW	1.15:1—DC-1.0 GHz 1.30:1—1.0-2.0 GHz	1.0	8
PPR & PPT870-150-3	DC-1.0 GHz	150	4 kW	1.20:1—DC-500 MHz 1.35:1—500-1000 MHz	3.5	9
PPR & PPT975-250-3	DC-1.0 GHz	250	4 kW	1.25:1—DC-500 MHz 1.35:1—500-1000 MHz	5.0	10
PPR & PPT 1250-400	DC-750 GHz	400	6 kW	1.50:1—DC-750 MHz	7.0	11
PPR & PPT1900-800	DC-0.5 GHz	800	10 kW	1.25:1—DC-200 MHz 150:1—200-500 MHz	10.2	12
PPT "Special"	0.5-18 GHz; 8% BW—Consult Factory					

*Terminations only: improved VSWR Available over narrow bands.

TERMINATIONS (PPT) Series

PPT 300-10-3 Flange Mounted 10 WATTS 	FIG. 1  REMOVE THIS TAB FOR PPT	PPR 300-10-3 Flange Mounted 10 WATTS 
PMS 100 Stud Mounted 20 WATTS 	FIG. 2 	PMS 200 Stud Mounted 20 WATTS 

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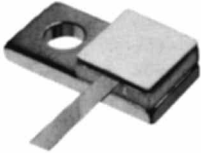
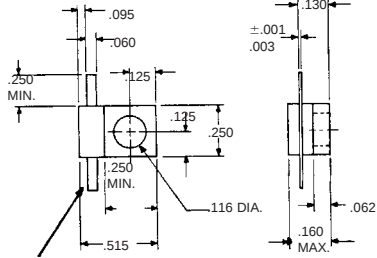
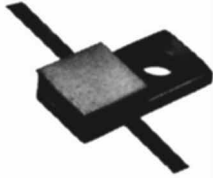
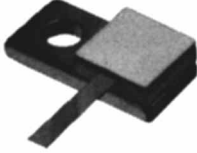
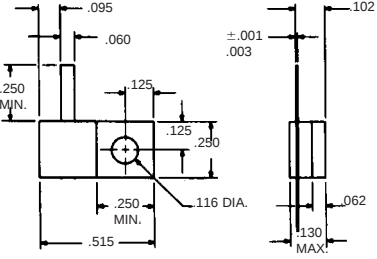
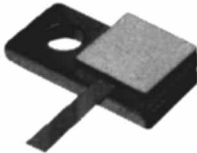
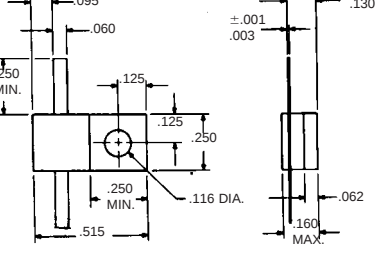
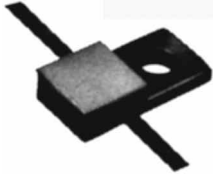
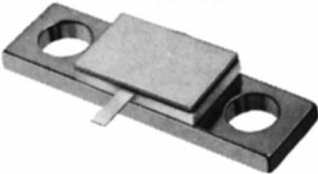
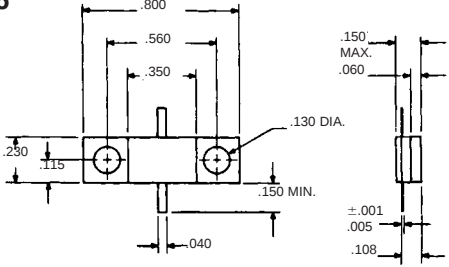
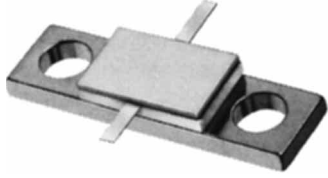
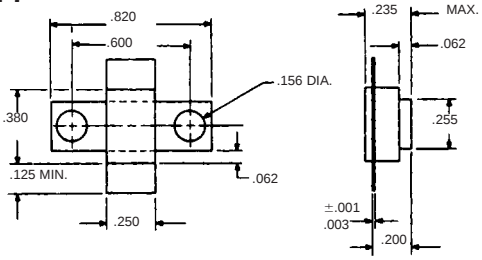
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PPT 515-20-3 Flange Mounted 20 WATTS 	FIG. 3  REMOVE THIS TAB FOR PPT	PPR 515-20-3 Flange Mounted 20 WATTS 
PPT 515-30-4 Flange Mounted 30 WATTS 	FIG. 4 	OFFERED AS A TERMINATION ONLY
PPT 515-30 Flange Mounted 30 WATTS 	FIG. 5  REMOVE THIS TAB FOR PPT	PPR 515-30 Flange Mounted 30 WATTS 
PPT 800-40-3 Flange Mounted 40 WATTS 	FIG. 6 	PPR 800-40-3 Flange Mounted 40 WATTS 
PPT 820-75-3 Flange Mounted 75 WATTS 	FIG. 7 	PPR 820-75-3 Flange Mounted 75 WATTS 

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PPT 870-100-3 Flange Mounted
100 WATTS


FIG. 8

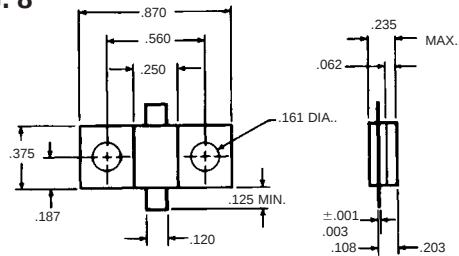
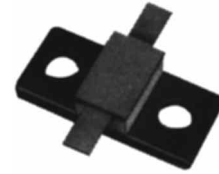
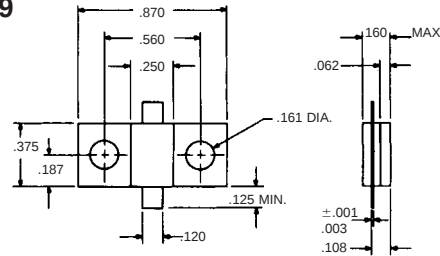

PPR 870-100-3 Flange Mounted
100 WATTS

PPT 870-150-3 Flange Mounted
150 WATTS


FIG. 9


PPR 870-150-3 Flange Mounted
150 WATTS

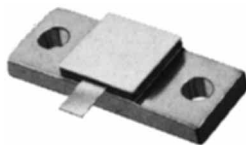
PPT 975-250-3 Flange Mounted
250 WATTS


FIG. 10

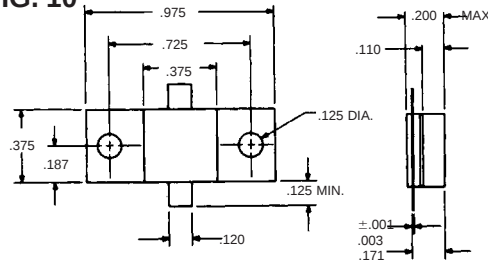
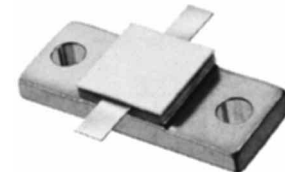
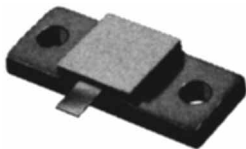

PPR 975-250-3 Flange Mounted
250 WATTS

PPT 1250-400 Flange Mounted
400 WATTS


FIG. 11

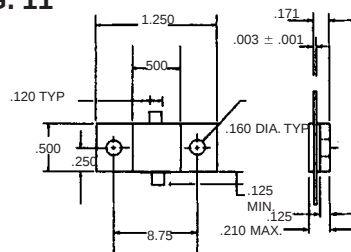
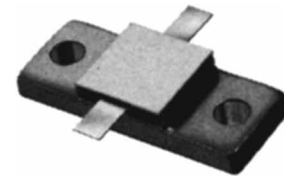
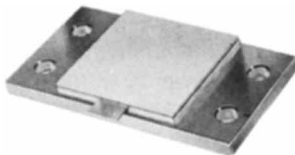
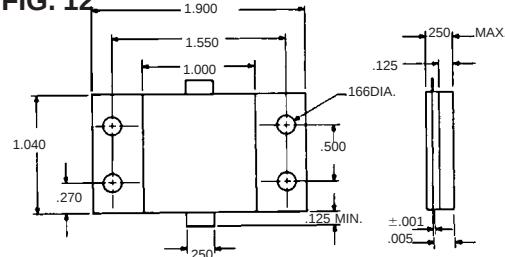
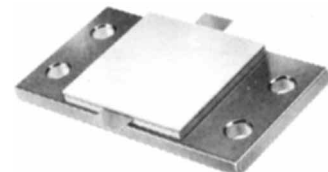

PPR 1250-400 Flange Mounted
400 WATTS

PPT 1900-800 Flange Mounted
800 WATTS


FIG. 12


PPR 1900-800 Flange Mounted
800 WATTS


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