HIGH POWER RF TERMINATOR – Surface Mount

The content of this specification may change without notification 11/2/07

HOW TO ORDER

THP-A 10 D F M

Packaging
M = tape/reel
B = bulk

Tolerance (%)
F= ±1%

Impedance
C = 50: D = 75:

Rated Power W
5W = 05 100W = 100
10W = 10 250W = 250
50W = 50

Termination Configuration
A, B, C, or D

Series
High Power RF Terminator

FEATURES

- High frequency operation up to 3 GHz
- From 5W to 250W dissipation on Aluminum Nitride substrate
- Rugged thin film element provides performance stability over time and temperature.
- Four termination configurations allow maximum versatility for different circuit designs and construction.
- Custom Designs Available

APPLICATIONS

- Satellite Communications
- Isolator/Circulators
- Cell Base Stations

SCHEMATIC – Termination Configuration

THP-A **THP-B** **THP-C** **THP-D**

DIMENSIONS (mm)

Series	Configuration	Power	A	B	C	D	E	F
THP-A05	A	5 W	2.54	1.27	1.00	0.60	-	-
THP-A10		10 W	5.08	2.54	1.00	1.00	-	-
THP-A50		50 W	5.08	5.08	1.20	1.00	-	-
THP-A100		100 W	8.89	8.89	1.20	1.20	-	-
THP-A250		200 W	9.52	9.52	1.20	1.20	-	-
THP-B05	B	5 W	2.54	1.27	1.00	0.60	1.00	0.60
THP-B10		10 W	5.08	2.54	1.00	1.00	3.00	1.00
THP-B50		50 W	5.08	5.08	1.20	3.00	3.00	1.00
THP-B100		100 W	8.89	8.89	1.20	1.20	2.40	1.20
THP-B250		200 W	9.52	9.52	1.20	1.20	7.10	1.20
THP-C50	C	50 W	5.08	5.08	1.20	3.00	1.08	1.00
THP-C100		100 W	8.89	8.89	1.20	3.40	1.20	1.20
THP-C250		200 W	9.52	9.52	1.20	7.10	1.20	1.20
THP-D50	D	50 W	5.08	5.08	1.20	1.00	2.00	1.00
THP-D100		100 W	8.89	8.89	1.20	1.20	2.40	1.20
THP-D250		200 W	9.52	9.52	1.20	1.20	6.00	1.20

SPECIFICATIONS and PERFORMANCE

Item	**THP**- A/B**05**	**THP**-A/B**10**	**THP-**A/B/C/D**50**	**THP-**A/B/C/D**100**	**THP-**A/B/C/D**250**
Resistance	50: or 75:	50: or 75:	50: or 75:	50: or 75:	50: or 75:
VSWR @ 1.0GHz	1.15	1.15	1.2	1.2	1.2
Power Rating @ 100°C	5 W	10 W	50 W	100 W	250 W
Pulse Power < 1 second	10 W	60 W	100 W	200 W	500 W
Thermal Resistance	12.5°C/W	6.5°C/W	2.5°C/W	1.3°C/W	0.5°C/W
Resistance	50: or 75:				
Tolerance	r 1%				
Operating/Storage Temperature	-55°C ~ +155°C				
Absolute TCR	r 50ppm				