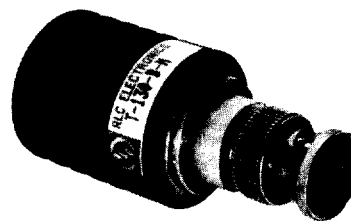


Precision & High Power Terminations



RLC Electronics' Precision Coaxial Terminations provide extremely low VSWR, 50 ohm matched terminations over broad frequency ranges in a wide selection of connectors and power ranges. The Coaxial High Power Terminations provide low VSWR terminations over a full range of RF frequencies. These units utilize either a precision coaxial structure as the terminating element or a lossy dielectric

medium. Heat transfer is accomplished efficiently by the utilization of cooling fins. These units are conservatively rated so that for short periods of time they may be operated at 200% of rated power. Forced air cooling over the load will allow continuous overload operation. These highpower loads are designed for use in 50 ohm systems.

Specifications

T-1,2,3

Model	Power Rating	VSWR			Conn. Types Available*	Size "A" Max (In)
		DC-1 GHz	1-4 GHz	4-12.4 GHz		
T-13-	1 Watt Avg. 1 kW Peak	1.04	1.07	1.15	N	1.45
		1.10	1.20	1.30	TNC	1.32
		1.10	—	—	BNC	1.32
		1.04	1.07	1.15	SMA	1.16
T-18-	1 Watt Avg. 1 kW Peak	DC-4 GHz	4-12.4 GHz	12.4-18 GHz	Male or Female	(In)
		1.07	1.15	1.25	SMA	1.16
T-130-	10 Watts Avg. 1 kW Peak	DC-1 GHz	1-4 GHz	4-12.4 GHz	Male or Female	(In)
		1.10	1.20	1.30	BNC/TNC SMA	2.06 2.24 1.50
T-180-	10 Watts Avg. 1 kW Peak	DC-4 GHz	4-12.4 GHz	12.4-18 GHz	Male or Female	(In)
		1.10	1.20	1.30	N SMA	2.06 1.90
T-500-	50 Watts Avg.	DC-1 GHz	1-3 GHz	—	Male or Female	(In)
		1.10	1.25	—	N TNC BNC SMA	2.06 6.10 6.10 6.10 5.53
		1-2 GHz	2-18 GHz	—	Male or Female	(In)
		1.35	1.25	—	TNC TNC SMA	6.24 6.13 5.95
T-1005-	175 Watts Avg. 10 kW Peak	1-8.5 GHz	8.5-12.4 GHz	—	Male or Female	(In)
		1.30	1.30	—	N TNC SMA	12.06 11.97 11.80

*BNC not recommended for use above 1 GHz.
TNC not recommended for use above 12.4 GHz.

Weight: T-13, T-18—2 oz., T-130, T-105—4 oz.
T-500—14 oz., T-1005—4 lbs.

Environment: MIL-D-39030

To designate the termination desired use:

(1) 13,105 etc. for model number.

(3) M for male, F for female.

(2) N, B (BNC), T (TNC), R (SMA), for connectors.

Example: T-130-N-M is a DC-12.4 GHz termination with N, male connectors.

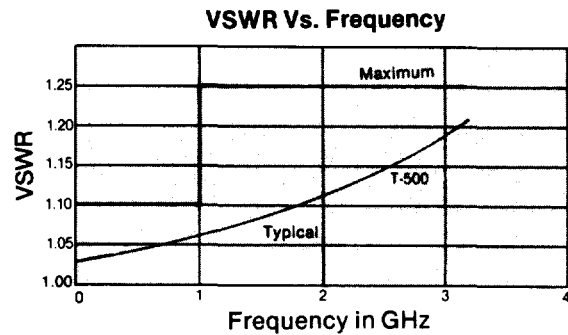
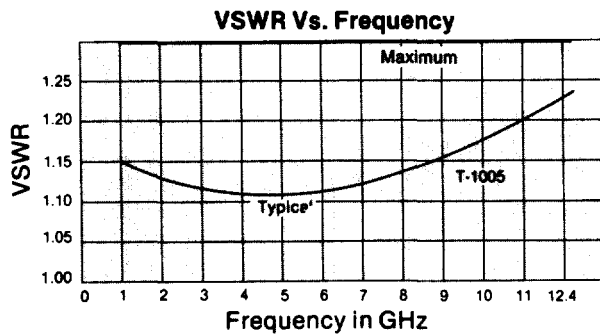
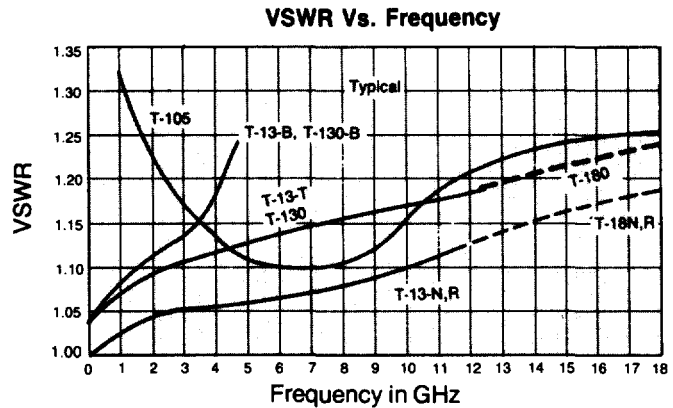
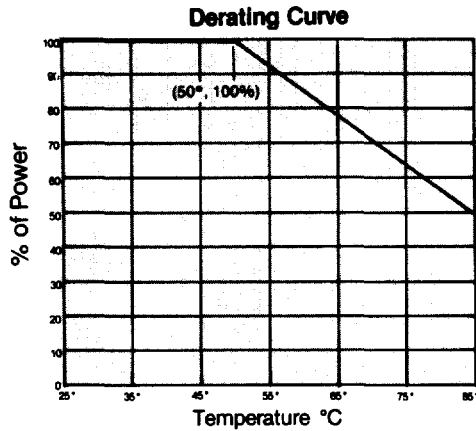
Specials requiring closer tolerances, different frequency ranges, special connectors, different materials, finishes, etc., can be furnished upon request. Specifications subject to change without notice.



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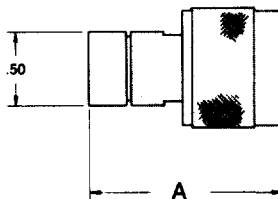
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Typical Operating Curves

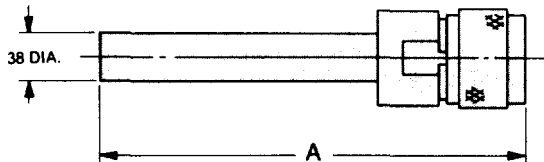


Outlines

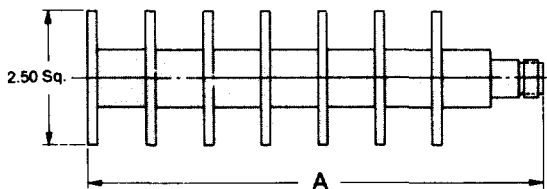
T-13, T-18



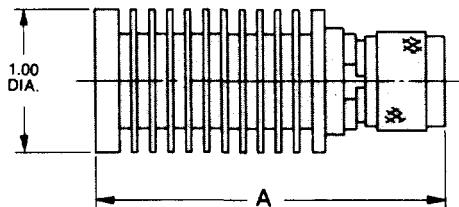
T-105



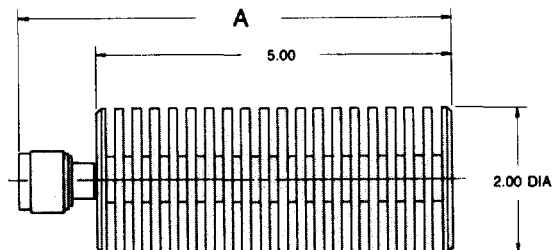
T-1005



T-130, T-180



T-500



Tolerances unless otherwise specified are: .xx, $\pm .02$; .xxx, $\pm .005$.

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