PFT

Tubular High-Power Resistors

Features

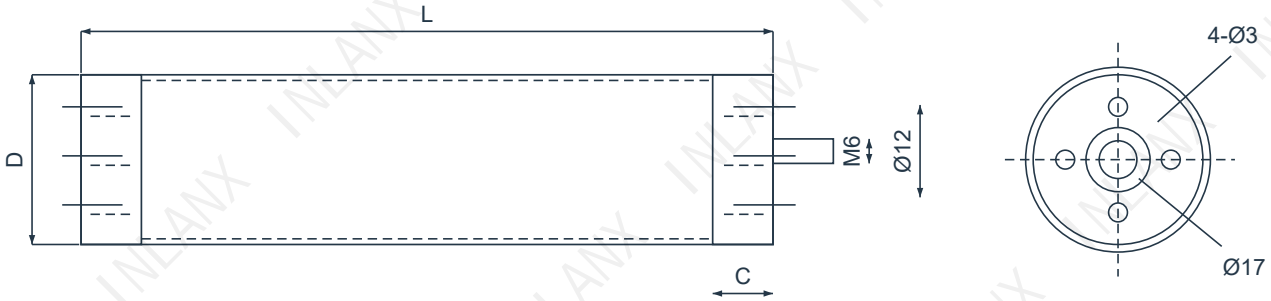
- High power density and excellent HF performance
- Moisture, high-temperature and pulse resistance
- High stability, non-inductive design
- Wide resistance range



Applications

Broadcasting transmitters, radar, frequency converters and high/medium-frequency equipment loads. Different terminations and voltage-divider configurations are available.

Dimensions and end view



Typical Specifications

Parameter	Specification
Resistance range	1 Ω to 20 MΩ
Tolerance	20%, 10%, 5%, 1%
Load life	Max. 5% change after 1000 h at rated power
Short-time overload	5 times rated power for 5 s; 2% change
Temperature coefficient	200 ppm/°C

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Dimensions and Rated Power

Model	W	L (in)	D (in)	C (in)	L (mm)	D (mm)	C (mm)
PFT10	10	1.75	0.5	0.25	44.45	12.7	6.35
PFT20	20	2	0.5	0.25	50.8	12.7	6.35
PFT30	30	4	0.5	0.25	101.6	12.7	6.35
PFT60	60	6	0.5	0.25	152.4	12.7	6.35
PFT100	100	6	1	0.75	152.4	25.4	19.05
PFT150	150	8	1	0.75	203.2	25.4	19.05
PFT300	300	12	1	0.75	304.8	25.4	19.05
PFT500	500	18	1	1	457.2	25.4	25.4

Original dimensional values are in inches; millimetres are converted at 1 in = 25.4 mm. Fixed end details retained: M6, Ø12, Ø17 and 4-Ø3.

Additional Specifications

Parameter	Specification
Voltage coefficient	Max. 1% KV/In (original unit retained)
Maximum operating temperature	350°C
Moisture resistance	2.5% change; MIL-STD-202 Method 103

Power Derating Curve

