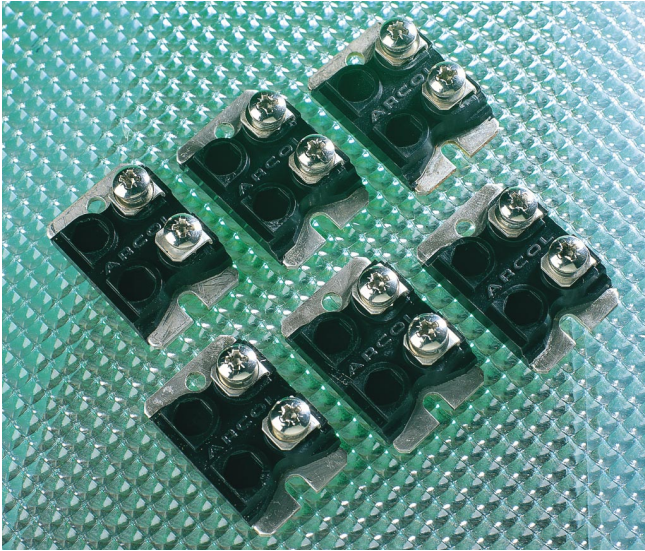


THICK FILM POWER RESISTORS **FPA** SERIES

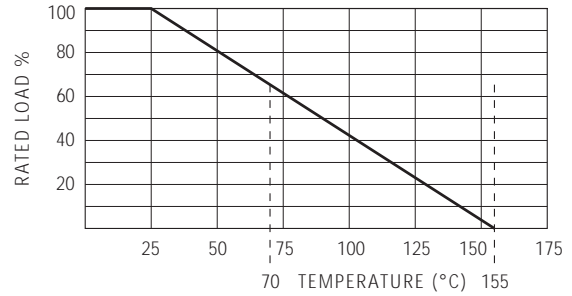


FEATURES

- ISOTOP/SOT227 SEMICONDUCTOR STYLE PACKAGE
- 100 WATTS DISSIPATION IN SMALL FOOTPRINT
- VERY LOW INDUCTANCE ■ DIRECT HEATSINK MOUNTING

A high power, small footprint device, designed for higher frequency applications.

DERATING CURVE



CHARACTERISTICS

Tolerance	Standard J ($\pm 5\%$). Also available F ($\pm 1\%$), G ($\pm 2\%$) & K ($\pm 10\%$).
Temperature Coefficients typical values	R5 - R86 $\pm 300\text{ppm}/^\circ\text{C}$. 1R - 1M $\pm 100\text{ppm}/^\circ\text{C}$.
Insulation resistance @ 500 Vdc	10 Gohm.
Power dissipation @ high ambient temperatures	Dissipation derates linearly to zero at 155°C.
Creepage distance	8.0mm min.
Air gap : Terminal to heatsink	8.5mm.
Air gap : Terminal to terminal	7.0mm.
Thermal grease	Necessary.
Short term overload	5 times full load for 10 seconds. For greater overload, please contact Arcol.
Weight	30gm max.

ELECTRICAL SPECIFICATIONS

RESISTANCE RANGE OHMS	POWER RATING ON STANDARD HEAT SINK @ 25°C	MAX WORKING VOLTAGE	VOLTAGE PROOF	PARTIAL DISCHARGE	TYPICAL CAPACITANCE	TYPICAL SERIES INDUCTANCE	TEMPERATURE RANGE	RECOMMENDED HEATSINK
R5 - 1 MEG	100 WATTS	1000V / RMS	2000V / RMS	<50pC at 2.5kV RMS	45 pF	45 nH	-55°C - +155°C	0.65°C/W

DIMENSIONS

		DIMENSIONS (MM)					
		A	B	C	D	E	F
MIN		37.80	28.80	12.50	41.10	4.00	24.50
MAX		38.20	30.20	12.90	41.30	N/A	25.40
		H	J	K	L	M	N
MIN		7.80	14.90	0.75	1.95	8.90	11.80
MAX		8.20	15.10	0.85	2.05	9.10	12.20

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