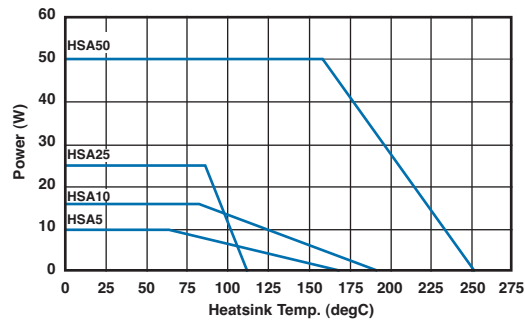


Type HS Series

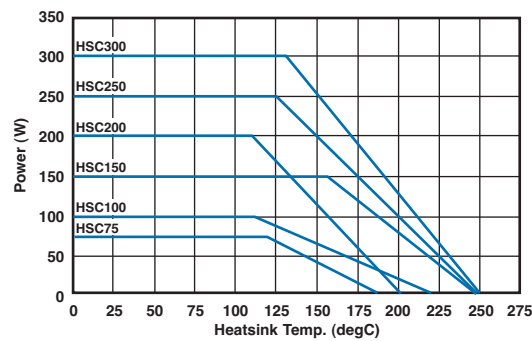
Characteristics - Electrical

Long Term Stability:	For improvements in long-term stability, resistors must be derated as follows; for 50% of stated ΔR maximum dissipation must not exceed 70% of rating; for 25% of stated ΔR maximum, dissipation must not exceed 50% of rating
Insulation Resistance:	Dry: 10,000M Ω minimum. After moisture test: 1000M Ω minimum.
Heat Dissipation:	Although the use of proprietary heat sinks with lower thermal resistance is acceptable, up rating is not recommended. The use of proprietary heat sink compound to improve thermal conductivity is recommended for optimum performance of all sizes but essential for HSC200, HSC250 & HSC300
Specification:	Temperature coefficient below 100R, 50ppm/ $^{\circ}$ C Temperature coefficient above 100R, 30ppm/ $^{\circ}$ C Tolerance, 5% standard: 10%, 3%, 2%, 0.5% & 0.25% available Tolerance for values below R10, 10% standard

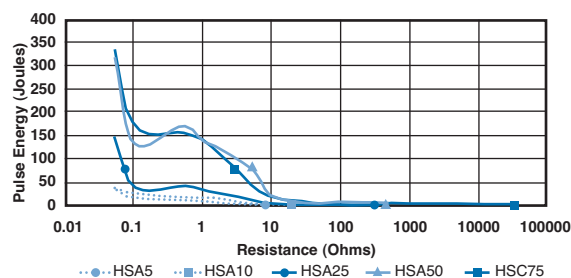
Derating Curve HSA5 to HSA50



Derating Curve HSC75 to HSC300

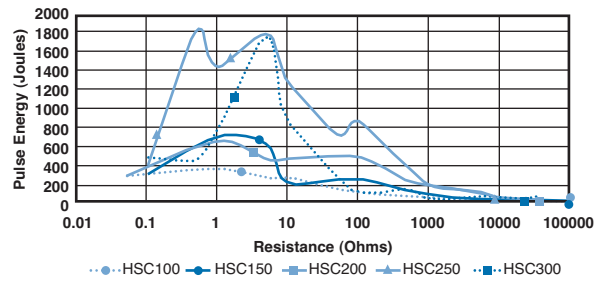


Pulse Energy HSA5 to HSC75

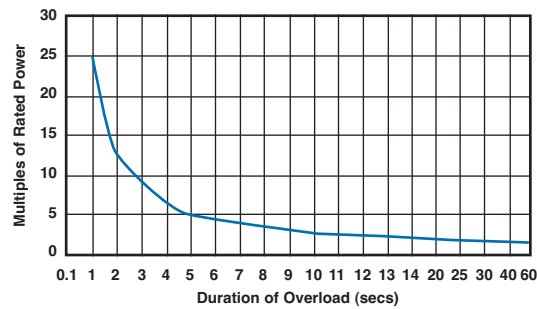


Type HS Series

Pulse Energy HSC100 to HSC300

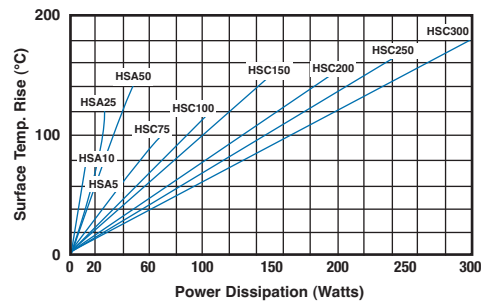


Power Overload



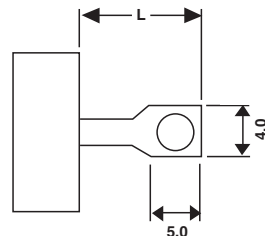
This graph indicates the amount that the rated power (at 20°C) of the standard HS Series resistor may be increased for overloads of 100mS to 60S

Surface Temperature Rise



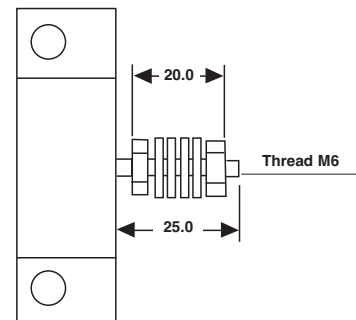
For resistor mounted on standard heatsink, related to power dissipation

Product Specifications - HSA5 - HSC150



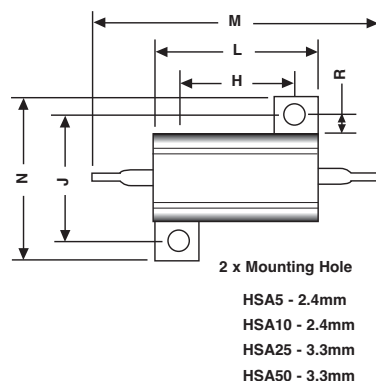
Type	L
HSA5, 10	7
HSA25, 50	10
HSC75, 100, 150	8

HSC200 - HSC300

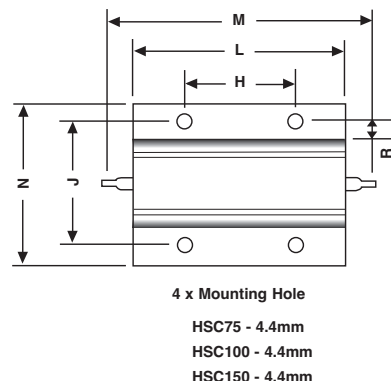


Type HS Series

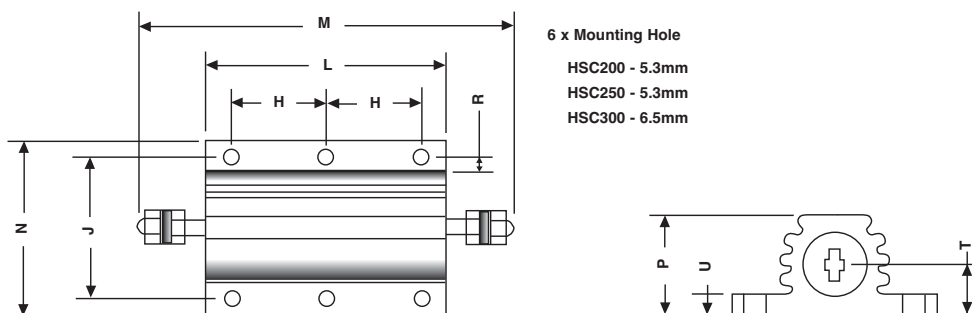
Dimensions - HSA5 - HSA50



HSC75 - HSC150



HSC200+



Type	H±0.3	J±0.3	K±0.2	L Max	M Max	N Max	P Max	R Min	T±0.5	U Max
HSA5	11.3	12.4	2.4	17.0	30.0	17.0	9.0	1.9	4.3	2.5
HSA10	14.3	15.9	2.4	21.0	36.5	21.0	11.0	1.9	5.2	3.2
HSA25	18.3	19.8	3.3	29.0	51.0	28.0	15.0	2.8	7.2	3.2
HSA50	39.7	21.4	3.3	51.0	72.5	30.0	17.0	2.8	8.2	3.2
HSC75	29.0	37.0	4.4	49.0	71.0	47.5	26.0	5.0	11.5	3.5
HSC100	35.0	37.0	4.4	65.5	87.5	47.5	26.0	5.0	11.5	3.5
HSC150	58.0	37.0	4.4	98.0	122.0	47.5	26.0	5.0	11.5	3.5
HSC200	35.0	57.2	5.3	90.0	143.0	73.0	42.0	5.6	20.25	5.3
HSC250	44.5	57.2	5.3	109.0	163.0	73.0	42.0	5.6	20.25	5.3
HSC300	52.0	59.0	6.5	128.0	180.0	73.0	42.0	5.6	20.25	5.3

How to Order

HS	A	50	680R	J
Common Part	Mounting Style	Power Rating	Resistance Value	Tolerance
HS - Standard NHS - Low Inductance	A - Single Opposing mounting Feet B - Flange One Side C - Flange Two Sides	10 Watt = HSA5 16 Watt = HSA10 25 Watt = HSA25 50 Watt = HSA50 75 Watt = HSA75 etc	0.1ohm (100 mille ohms) R10 1ohm (1000 mille ohms) 1R0 1K (1000 ohms) 1KO	F - 1% G - 2% E - 3% J - 5% K - 10%

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