

Key features

- up to 300 watts with heatsink
- low ohmic values available
- CECC - BS approved
- non-inductive & tight tolerance available
- up to 2500 volts dc
- range of connectors
- custom designs welcomed



Power Resistors

type HS series

The HS series is the 'flagship' product of the Meggitt Electronics power product range. A major business, in this one product, Meggitt are the leading European supplier of standard and custom designed Aluminium Clad Resistors, for general purpose use, power supplies, generation and the traction industries. A particular Meggitt strength in this area, is customised HS resistors where high quantities are not required.

Specification

Electrical

	HSA 5	HSA 10	HSA 25	HSA 50	HSC 75	HSC 100	HSC 150	HSC 200	HSC 250	HSC 300
CECC 40203-001	AA	BA	CA	DA						
Dissipation at 25°C (Watts)										
With Heatsink	10	16	25	50	75	100	150	200	250	300
Without Heatsink	5.5	8	12.5	20	45	50	55	50	60	75
Ohmic Value										
Min Value	R051	R051	R051	R051	R010	R010	R010	R010	R010	R010
Max Value	10K	15K	36K	86K	50K	75K	100K	50K	68K	82K
Max Working Voltage										
V (DC/AC RMS)	160	265	550	1250	1400	1900	2500	1900	2200	2500
Dielectric Strength										
V (AC Peak)	1400	1400	2500	2500	5000	5000	5000	5600	5600	5600
Stability										
% Resistance Change/1000Hrs	1	1	1	1	2	2	2	3	3	3
Surface Temperature Rise Mounted on Standard Heatsink										
°C per Watt	5.5	5.0	4.4	2.9	1.2	1.1	1.0	0.75	0.65	0.60
Standard Heatsink										
Area cm ²	415	415	535	535	995	995	995	3750	4765	5780
Thickness mm	1	1	1	1	3	3	3	3	3	3
Mounting Style <----- 2 HOLE -----> <----- 4 HOLE -----> <----- 6 HOLE ----->										
Approximate Weight										
Grams	5	10	16	35	90	120	180	475	600	700
Increased Dielectric Strength Option										
V (AC Peak)						KHSA25 3500		KHSA50 3500		

sales action desk (01793) 611666

sales fax line (01793) 611777

aluminium housed for heatsinking

Terminations

Style	Lmm
HSA 5, 10	7
HSA 25, 50	10
HSA 75, 100, 150	8



Style	Lmm
HSC 200, 250, 300	25

Dimensions

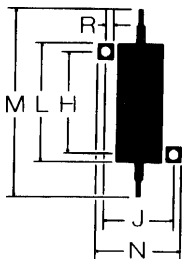
HS Type	HSA 5	HSA 10	HSA 25	HSA 50	HSC 75	HSC 100	HSC 150	HSC 200	HSC 250	HSC 300
H ± 0.3	11.3	14.3	18.3	39.7	29.0	35.0	58.0	35.0	45.5	52.0
J ± 0.3	12.4	15.9	19.8	21.4	37.0	37.0	37.0	57.2	57.2	59.0
K ± 0.2	2.4	2.4	3.3	3.3	4.4	4.4	4.4	5.3	5.3	6.5
L Max	17.0	21.0	29.0	51.0	49.0	65.5	98.0	90.0	109.0	128.0
M Max	30.0	36.5	51.8	72.5	71.0	87.5	122.0	143.0	163.0	180.0
N Max	17.0	21.0	28.0	30.0	47.5	47.5	47.5	73.0	73.0	73.0
P Max	9.0	11.0	15.0	17.0	26.0	26.0	26.0	45.0	45.0	45.0
R Min	1.9	1.9	2.8	2.8	5.0	5.0	5.0	5.6	5.6	6.0
T ± 0.5	3.4	5.2	7.2	7.9	11.5	11.5	11.5	22.2	22.2	22.2
U Max	2.5	3.2	3.2	3.2	3.5	3.5	3.5	6.75	6.75	6.75

Power Resistors

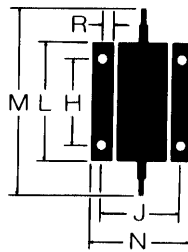
type HS series

Certain styles are approved to CECC specification, others are designed to conform to MIL, or customer specifications. We will be happy to advise on the use of resistors for pulse applications, and to supply further information for high voltage use, low inductive and low ohmic value components, alternative mountings and terminations. A full range of HS resistors, is available from Meggitt distributors.

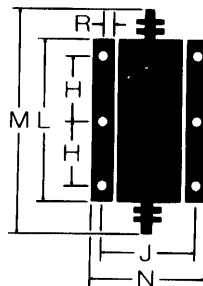
HSA5 to HSA50



HSC75 to HSC150



HSC200 to HSC300



How To Order

HS		A		25	
Common Part		Mounting Style		Size	
HS - Standard KHS - High Voltage * NHS - Low Inductance Winding		A - Single Opposing Mounting Feet B - Flange One Side C - Flange Two Sides		HSA5 - 10 Watts HSA10 - 16 Watts HSA25 - 25 Watts etc	
1R0		J		X	
Resistance Value		Tolerance		Release Condition	
0.1 ohm (100 milli ohms) R10 1.0 ohm (1000 milli ohms) 1R0 1K ohm (1000 ohms) 1K0		F * 1% E - 3% J - 5% K - 10%		X - BS CECC - - No Letter Commercial	

* - KHS Applies to 25 Watt and 50 Watts Styles Only

Please Request Full Data Sheet L1000