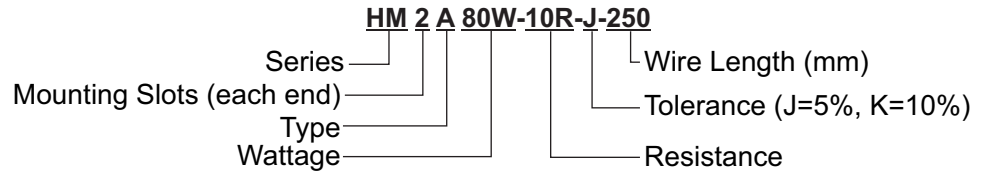


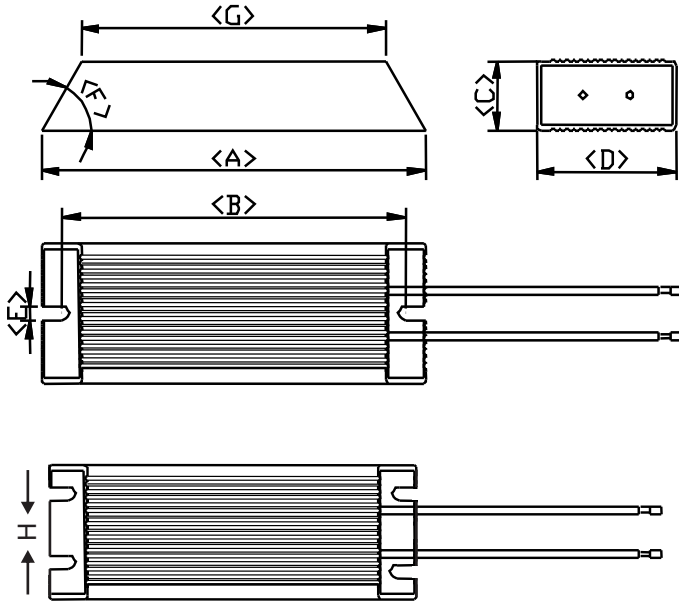
### FEATURES

- Non-Flammable
- High Wattage
- Metal-Clad

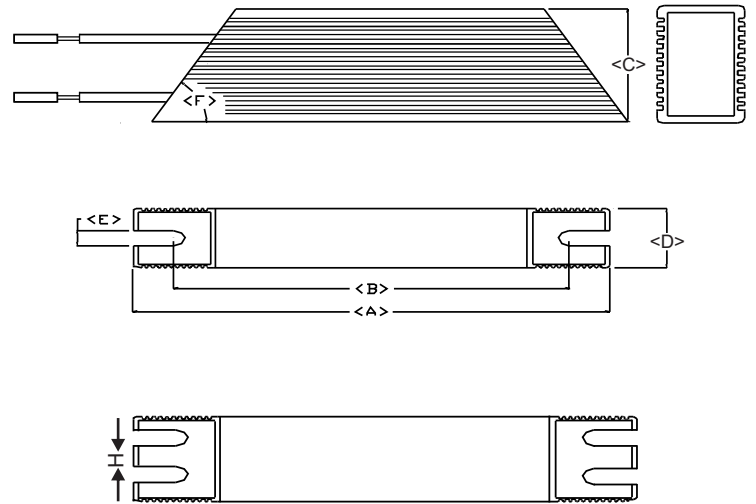
### PART NUMBER EXAMPLE



**A Type  
Low profile**



**B Type  
Narrow base**



Mounting Slot E = 5.2mm

Wire gauge note: wire gauge (AWG) is determined by current (Amps) demand.  $I = \sqrt{P \div R}$

### DIMENSIONS (mm) & RESISTANCE RANGES

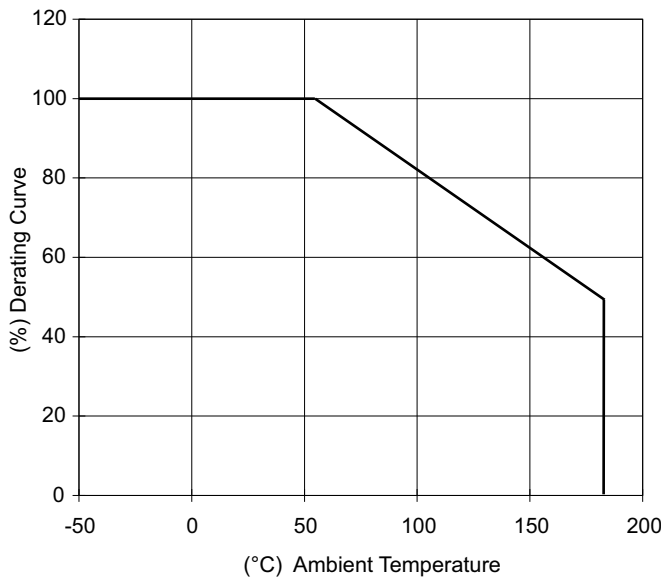
Part #	Watts	A±2	B±2	Type A					Type B					Resistance Range Ω
				C±1	D±1	F±1	G±2	H±1	C±1	D±1	F±1	G±2	H±1	
HM1_	60	115	100	20	40	↑	75		40	20	↑	80		0.1 ~ 10K
	80	140	125	20	40		100		40	20		105		0.1 ~ 10K
	100	165	150	20	40	45°	125		40	20		130		0.1 ~ 10K
	120	190	175	20	40		150		60	30		65		0.15 ~ 15K
	150	215	200	20	40	↓	175		40	20	68°	180		0.15 ~ 15K
	200	165	150	30	60	↑	130		60	30		115		0.3 ~ 20K
	300	215	200	30	60		180		60	30		165		0.5 ~ 30K
	400	265	250	30	60		230		60	30	↓	215		0.5 ~ 30K
	500	240	225	40	80	60°	195		80	40	75°	200		0.5 ~ 30K
	600	335	320	30	60		300		60	30	68°	285		1 ~ 50K
	800	400	385	40	80		355		80	40	75°	360		1 ~ 50K
	1,000	400	385	50	100		345		50	100	78°	360		1 ~ 100K
1,500	550	535	50	100		490		50	100	78°	360	30	1 ~ 150K	
HM2_	1,000	400	385	50	100	↓	345	80	100	50	78°	360	30	1 ~ 100K

### ELECTRICAL SPECIFICATION

Characteristics	Limits
Resistance and Tolerance	Resistance Nominal    Resistance Tolerance $1\Omega \leq R$ $\pm 5\%$ (J) $1\Omega > R$ $\pm 5\%$ (J), $\pm 10\%$ (K)
Temperature coefficient	$\pm 200\text{ppm}/^\circ\text{C}$ max.
Power rating load	$\Delta R/R \leq \pm(1\%+0.05\Omega)$ (Temperature) $350^\circ\text{C}$ max
Short-time overload	250% rated power 5 seconds $\Delta R/R \leq \pm(2\%+0.05\Omega)$
Insulation resistance	500Vdc 100M $\Omega$ min
Dielectric withstanding voltage	2000Vac 1 minute

### ELECTRICAL CURVES

Power Derating Curve



Temperature Rise

