

Mounting Slot E = 5.2mm

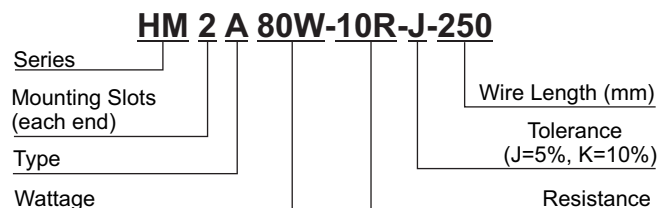
Wire guage note: wire guage (AWG) is determined by current (Amps) demand.  $I = \sqrt{P/R}$

### DIMENSIONS (mm) & RESISTANCE RANGES

Part #	Watts (W)	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	Standard	Non-Inductive
HM1__	60	115	100	20	39	45°	75		40	20	68°	80		0.1 ~ 10K	0.1 ~ 2.5K
	80	140	125	20	39	45°	100		40	20	68°	105		0.1 ~ 10K	0.2 ~ 3K
	100	165	150	20	39	45°	125		40	20	68°	130		0.1 ~ 10K	0.2 ~ 4K
	120	190	175	20	39	45°	150		60	30	68°	158		0.15 ~ 15K	0.2 ~ 5K
	150	215	200	20	39	45°	175		40	20	68°	180		0.15 ~ 15K	0.2 ~ 6K
	200	165	150	30	60	60°	130		60	30	68°	110		0.3 ~ 20K	0.2 ~ 7K
	300	215	200	30	60	60°	180		60	30	68°	165		0.5 ~ 30K	0.5 ~ 8K
	400	265	250	30	60	60°	230		60	30	68°	215		0.5 ~ 30K	0.5 ~ 10K
	500	240	320	40	80	60°	195		80	40	75°	200		0.5 ~ 30K	0.5 ~ 12K
	600	335	370	30	60	60°	300		60	30	68°	285		1 ~ 50K	1 ~ 15K
	800	400	385	40	80	60°	355		80	40	75°	360		1 ~ 50K	1 ~ 15K
	1,000	400	380	50	100	60°	345		50	100	78°	358		1 ~ 100K	1 ~ 15K
	1,200	450	435	50	100	60°	400		50	100	78°	400		1 ~ 100K	1 ~ 15K
	1,500	550	510	50	100	60°	478		50	100	78°	483		1 ~ 150K	1 ~ 15K
1,800	570	555	50	100	60°	510		50	100	78°	500		1 ~ 150K	1 ~ 15K	
2,000	600	585	50	100	60°	530		50	100	78°	523		1 ~ 150K	1 ~ 15K	
2,500	700	685	50	100	60°	650		50	100	78°	640		1 ~ 150K	1 ~ 15K	
HM2__	1,000	400	385	50	100	60°	345	80	50	100	78°	358	30	1 ~ 150K	1 ~ 15K

1. Resistance Range for standard resistance, below or over this resistance range on request.
2. Above resistance range is based on ±5% tolerance. Other tolerance is available on request.
3. HM2\_\_ are also available in other wattage on request.

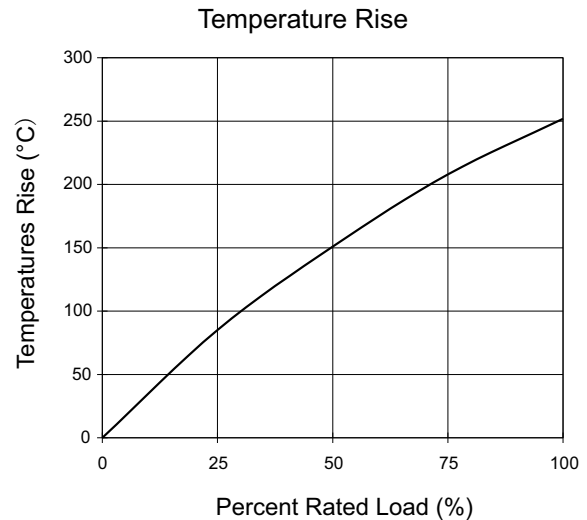
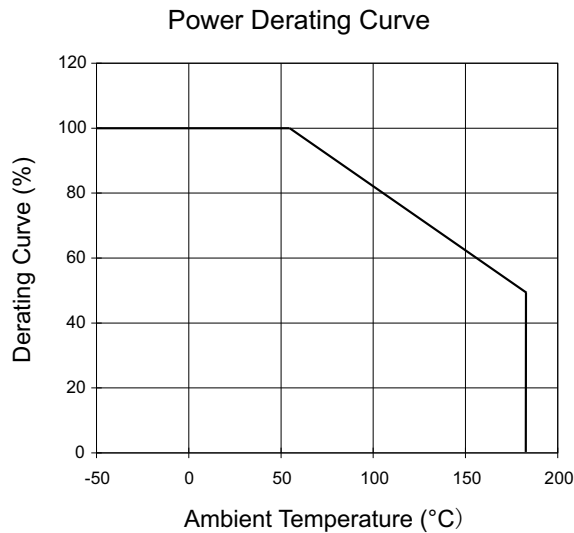
### PART NUMBER EXAMPLE



■ ELECTRICAL CHARACTERISTICS

ITEMS	Test Method	Specification
Temperature Coefficient	JIS-C-5202 5.2	± 400ppm/°C max.
Short Time Overload	JIS-C-5202 5.5 1000% rated power 5 second	$\Delta R/R \leq \pm(2.0\% + 0.1\Omega)$
Load Life	JIS-C-5202 7.10 1.5 hours ON, 0.5 hour OFF, Repeat 1000 hours	$\Delta R \leq \pm(5\% + 0.05\Omega)$ max
Insulation Resistance	JIS-C5202 5.6 1,000VDC >10,000M $\Omega$	
Load Life in Humidity	40°C, 95% RH, 1/10 x wattage rating 1.5 hours ON, 30 minutes OFF, Repeat 1000hrs	$\Delta R \leq \pm(3\% + 0.05\Omega)$
Heat Resistance	275°C 2 hours	$\Delta R \leq \pm(0.5\% + 0.05\Omega)$
Terminal Strength	Direct load for 10 second in the direction off the terminal leads	Tensile : $\geq 2.5\text{Kg}$
Operating Temperature	-55°C to +250°C	

■ CHARACTERISTIC CURVES



■ RESISTANCE CODE

Ohms	0.5	1.5	15K	100K
Code	0R5	1R5	15K	100L