

HMV Series

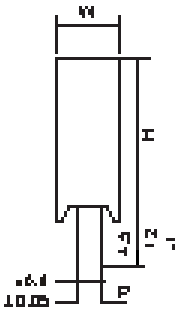
Ceramic Cased Wirewound Resistors



Features:

- Especially designed for crowded PCB's.
- Ceramic stand-off's act as heatsink.
- Vertical mounting ceramic cased wirewound resistors.

Physical Configuration



Type	Power Rating at 70°C	Dimensions				Resistance Range		Weight Per PC (gms)
		W ±1	H ±1	D ±1	P ±1	Minimum	Maximum	
LV5	5W	13.0	25.5	9.0	5.0	R10	12K	6.4
M7	7W	12.5	38.0				16K	7.5

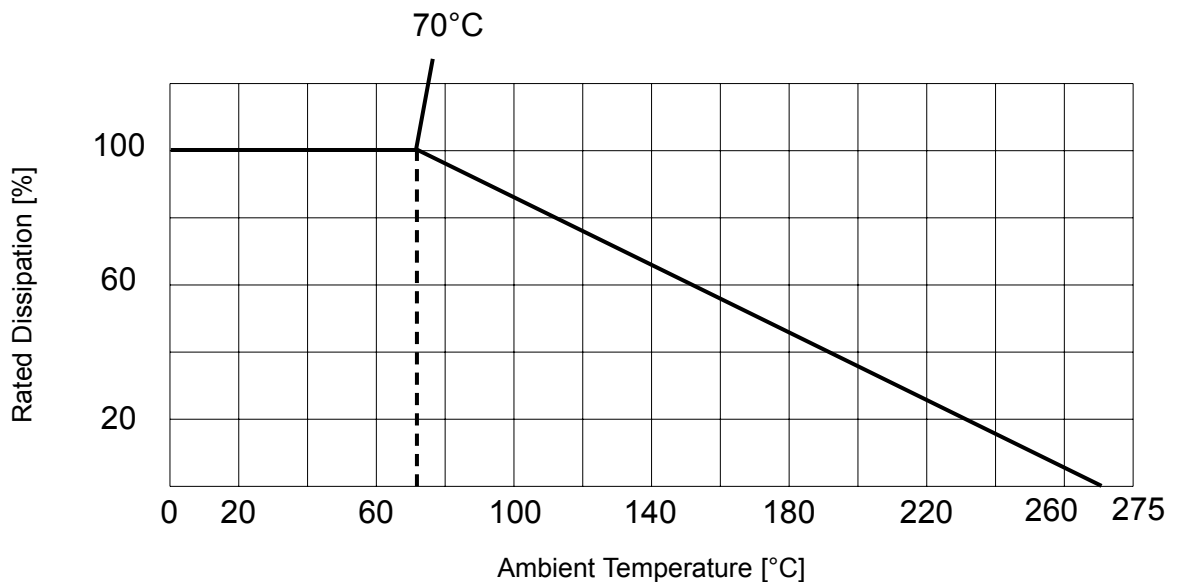
Dimensions : Millimetres



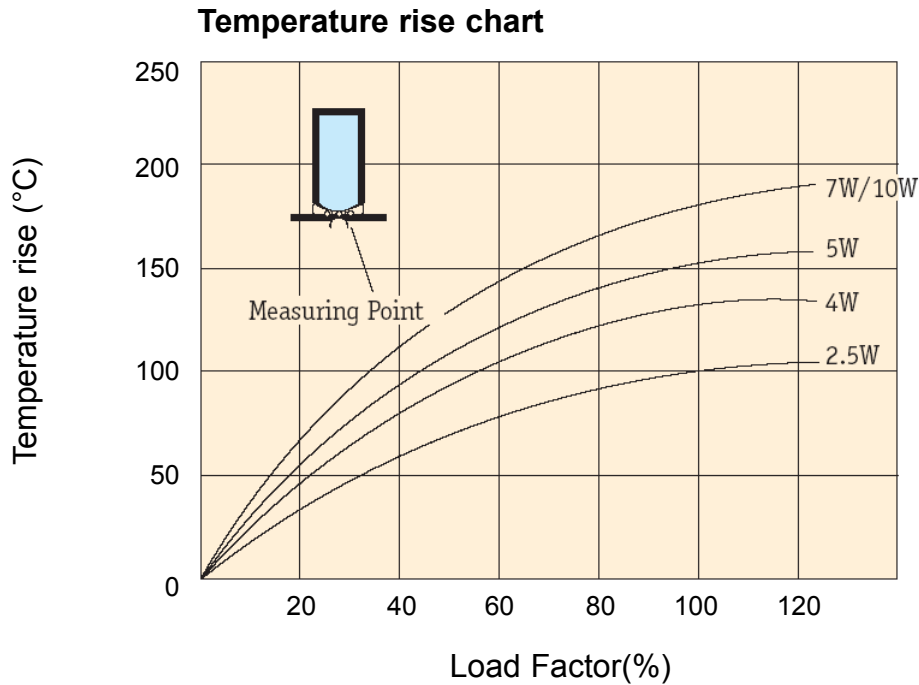
ELECTRICAL AND ENVIRONMENTAL CHARACTERISTICS / DATA

Test	Performance Requirements	
Resistance tolerance	±5% [J]	
Rated ambient temperature [see derating curve]	at 70°C full power dissipation	
Temperature co-efficient	M7	≤68R ±150ppm/°C ≥100R ±200ppm/°C
	LV5	≤47R ±150ppm/°C ≥68R ±200ppm/°C
Short time overload	Maximum ΔR ±2% [+R05]	
Moisture resistance	Maximum ΔR ±3% [+R05]	
Load life	Maximum ΔR ±5% [+R05]	
Ambient operating temperature range	-25°C to +155°C	
Insulation resistance	>1000M [minimum]	

DERATING CURVE



TEMPERATURE RISE AT SOLDER JOINT (AT FULL POWER)



Typical Applications:

The MCHMV series originated in the far east to provide low cost high power resistors, which could be vertically mounted firmly on to a PCB with stability provided by its ceramic legs.

These resistors find wide application in colour TV's, VCR's, Printers, Fax Machines, Invertors and Power supplies. Due to the nature of their construction, they can withstand surges quite efficiently.

Note: Due to recent technological advances, the ceramic cases used may be steatite ceramic / cordierite ceramic /high alumina ceramic depending on the nature of the application. Hence the ceramic cases may be off-white / variations of brown and variations of grey; colours which are inherent to these ceramic materials.

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Ceramic Cased Wirewound Resistors



Part Numbers - 5 Watts - HMV LV5 Series

Resistor Value	Part Number
0R1	HMV LV5 0R1 J
0R22	HMV LV5 0R22J
0R33	HMV LV5 0R33J
0R47	HMV LV5 0R47 J
0R68	HMV LV5 0R68 J
1R	HMV LV5 1RJ
2R2	HMV LV5 2R2J
3R3	HMV LV5 3R3J
4R7	HMV LV5 4R7J
6R8	HMV LV5 6R8J
10R	HMV LV5 10RJ
15R	HMV LV5 15RJ
22R	HMV LV5 22RJ
33R	HMV LV5 33RJ
47R	HMV LV5 47RJ
68R	HMV LV5 68RJ
100R	HMV LV5 100RJ
120R	HMV LV5 120RJ
150R	HMV LV5 150RJ
220R	HMV LV5 220R J
470R	HMV LV5 470R J
680R	HMV LV5 680R J
1K	HMV LV5 1K J
1K5	HMV LV5 1K5 J
2K2	HMV LV5 2K2 J
4K7	HMV LV5 4K7 J
6K8	HMV LV5 6K8 J
10K	HMV LV5 10K J
0R1	HMV M7 0R1 J
0R22	HMV M7 0R22 J
0R33	HMV M7 0R33 J
0R47	HMV M7 0R47 J
0R68	HMV M7 0R68 J



HMV Series

Ceramic Cased Wirewound Resistors



Part Numbers - 7 Watts - HMV M7 Series

Resistor Value	Part Number
1R	HMV M7 1R J
2R2	HMV M7 2R2 J
3R3	HMV M7 3R3 J
4R7	HMV M7 4R7 J
6R8	HMV M7 6R8 J
10R	HMV M7 10R J
15R	HMV M7 15R J
22R	HMV M7 22R J
33R	HMV M7 33R J
47R	HMV M7 47R J
68R	HMV M7 68R J
100R	HMV M7 100R J
120R	HMV M7 120R J
150R	HMV M7 150R J
220R	HMV M7 220R J
470R	HMV M7 470R J
680R	HMV M7 680R J
1K	HMV M7 1K J
1K5	HMV M7 1K5 J
2K2	HMV M7 2K2 J
4K7	HMV M7 4K7 J
6K8	HMV M7 6K8 J

Part Number Explanation:

MCHMV

Series

LV5

Type

0R1

Resistance Value

J

Tolerance

Type : LV5 and M7.

OHMIC Value : R in OHMIC value represent decimal point,
in code 1R5, Resistance is 1.5 Ohms.
K in OHMIC value represent thousands,
in code 1K5, Resistance is 1500 Ohms.

Tolerance : J = $\pm 5\%$.



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Notes:

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