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Vishay Mills

Wirewound Resistor, Ultra Precision, Epoxy Molded, Radial Lead



FEATURES

- Resistance values up to 1 $M\Omega$
- Resistance Tolerances down to ± 0.01 %
- Temperature coefficients down to 2 ppm/°C
- Material categorization:
 For definitions of compliance please see www.vishav.com/doc?99912



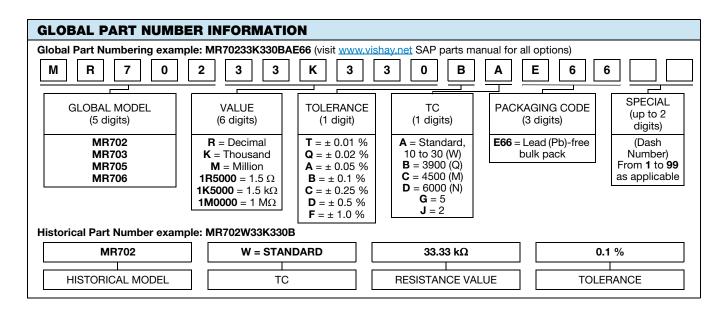


COMPLIANT

GREEN

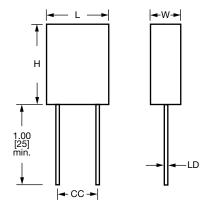
(5-2008)

STANDARD EL	ECTRICAL SPEC	FIFICATIONS		
GLOBAL MODEL	POWER RATING P _{25 °C} W	RESISTANCE RANGE Ω \pm 0.01 %, \pm 0.02 %, \pm 0.05 %, \pm 0.1 %	RESISTANCE RANGE Ω \pm 0.25%, \pm 0.5 %, \pm 1 %	MAXIMUM WORKING VOLTAGE V
MR702	0.125	10 to 500K	1 to 500K	150
MR703	0.250	10 to 750K	1 to 750K	150
MR705	0.300	10 to 500K	1 to 500K	150
MR706	0.500	10 to 1M	1 to 1M	150





DIMENSIONS in inches [millimeters]



GLOBAL		DIMENSIONS in inches [millimeters]				
MODEL	L ± 0.010 [0.254]	H ± 0.005 [0.127]	W ± 0.010 [0.254]	LD ± 0.002 [0.051]	CC ± 0.015 [0.381]	
MR702	0.270 [6.86]	0.250 [6.35]	0.140 [3.56]	0.032 [0.813]	0.125 [3.18]	
MR703	0.540 [13.72]	0.270 [6.86]	0.150 [3.81]	0.032 [0.813]	0.250 [6.35]	
MR705	0.300 [7.62]	0.320 [8.13]	0.102 [2.59]	0.025 [0.635]	0.150 [3.81]	
MR706	0.585 [14.86]	0.525 [13.34]	0.160 [4.06]	0.032 [0.813]	0.400 [10.16]	

MATERIAL SPECIFICATIONS

Element: Nickel-chrome alloy, other materials available

depending on TC requirements

Core: Molded epoxy Encapsulant: Epoxy

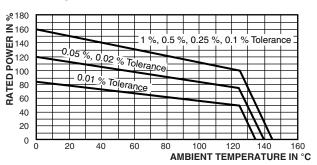
Standard Terminals: 100 % matte tinned copper

Part Marking: MILLS, model, value, tolerance, date code

Note

• Due to resistor size limitations some resistors will have minimal information marked on parts

DERATING



TECHNICAL SPECIFICATIONS				
PARAMETER	UNIT	MR700 RESISTOR CHARACTERISTICS		
Temperature Coefficient	ppm/°C	\pm 10 > 100 Ω ; \pm 20 for 10 Ω to 100 Ω ; \pm 30 for 1 Ω to 9.99 Ω		
Terminal Strength	lb	4.5		
Dielectric Withstanding Voltage	V_{AC}	750		
Maximum Working Voltage	V	$(P \times R)^{1/2}$		
Operating Temperature Range	°C	- 55 to + 145		



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Vishay

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