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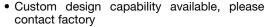
Vishay Mills

Wirewound Resistor, Ultra Precision, Epoxy Molded, Radial Lead



FEATURES

- Resistance values up to 1 M Ω
- Resistance tolerances down to ± 0.005 %
- Tighter tolerances and lower resistance values available, please contact factory
- Temperature coefficients down to ± 2 ppm/°C, and up to 6000 ppm/°C
- Matched resistance sets available in tolerances down to ± 0.001 %, and in temperature coefficients down to ± 0.5 ppm/°C, please contact factory







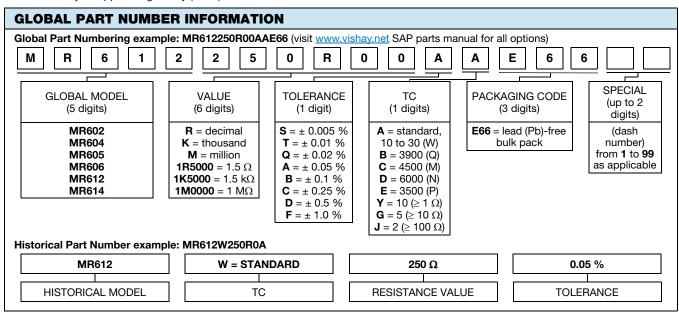


ROHS
COMPLIANT
HALOGEN
FREE
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(5-2008)

STAND	STANDARD ELECTRICAL SPECIFICATIONS									
GLOBAL MODEL	POWER RATING W ⁽¹⁾	RESISTANCE RANGE Ω	RESISTANCE RANGE Ω			MAXIMUM WORKING				
		± 0.1 %, ± 0.25 %, ± 0.5 %, ± 1 %	± 0.05 %, ± 0.1 %, ± 0.25 %, ± 0.5 %, ± 1 %	± 0.01 %, ± 0.05 %, ± 0.1 %, ± 0.25 %, ± 0.5 %, ± 1 %	± 0.005 %, ± 0.01 %, ± 0.05 %, ± 0.1 %, ± 0.25 %, ± 0.5 %, ± 1 %	VOLTAGE V (2)				
MR602	0.250	1 to 600K	5 to 600K	50 to 600K	1K to 600K	150				
MR604	0.125	1 to 500K	5 to 500K	50 to 500K	1K to 500K	150				
MR605	0.125	1 to 500K	5 to 500K	50 to 500K	1K to 500K	150				
MR606	0.125	1 to 500K	5 to 500K	50 to 500K	1K to 500K	150				
MR612	0.400	1 to 800K	5 to 800K	50 to 800K	1K to 800K	300				
MR614	0.500	1 to 1M	5 to 1M	50 to 1M	1K to 1M	400				

Notes

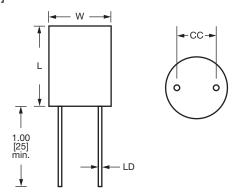
⁽²⁾ The maximum working voltage is the highest voltage that can be applied to the resistor. Below this value, the maximum voltage that can continuously be applied is given by (P x R)^{1/2}.



⁽¹⁾ Power rating is based on tolerance, please see derating chart.



DIMENSIONS in inches [millimeters]



CLOBAL MODEL	DIMENSIONS in inches [millimeters]					
GLOBAL MODEL	L ± 0.025 [0.635]	W ± 0.005 [0.127]	LD ± 0.002 [0.051]	CC ± 0.015 [0.381]		
MR602	0.500 [12.70]	0.250 [6.35]	0.025 [0.635]	0.150 [3.81]		
MR604	0.312 [7.92]	0.250 [6.35]	0.025 [0.635]	0.150 [3.81]		
MR605	0.312 [7.92]	0.250 [6.35]	0.025 [0.635]	0.200 [5.08]		
MR606	0.375 [9.53]	0.250 [6.35]	0.025 [0.635]	0.150 [3.81]		
MR612	0.500 [12.70]	0.375 [9.53]	0.032 [0.813]	0.200 [5.08]		
MR614	0.500 [12.70]	0.500 [12.70]	0.032 [0.813] ⁽¹⁾	0.300 [7.62]		

Note

MATERIAL SPECIFICATIONS

Element: nickel-chrome alloy, other materials available

depending on TC requirements

Core: molded epoxy Encapsulant: epoxy

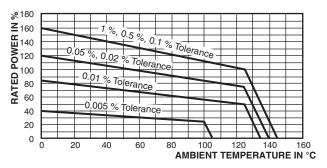
Standard Terminals: 100 % matte tinned copper

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	MR600 RESISTOR CHARACTERISTICS				
Temperature Coefficient	ppm/°C	\pm 10 for > 100 $\Omega;$ \pm 20 for 10 Ω to 100 $\Omega;$ \pm 30 for < 10 Ω				
Terminal Strength	lb	4.5				
Dielectric Withstanding Voltage	V _{AC}	750				
Operating Temperature Range	°C	-55 to +145 (see derating chart)				

^{(1) 0.025&}quot; [0.635] available, this is called out by putting an "S" in the SPECIAL section of the part number.



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Vishay

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FW10A33R0JA 25J39K 25J5R0-B 25W1D0 272-303-JBW 280-PRM5-150-RC CP0005270R0JE1491 CPCC0510R00JE32

CPCC051R000JB31 CPW052K500JE143 CPW05700R0JE143 C1010RJL CA000210R00JE14 VPR5F1500 RS02B887R0FE73

RWR74SR604FRB12 RWR84S1001FRB12 RWR84S20R0FSBSL RWR89S6190FSB12 CPW055R000JB143 ULW5-39R0JT075 W31-R047JA1 VP25K-120 VC3D900 ULW5-68RJT075 65888-3R3 CB5JB10R0 RWR80N3400FSB12 RWR81S1000FRB12

RWR81S1000FSB12 RWR89N30R1FRB12 RWR81S4R99FPB12 RWR74S4R02FRRSL WW1JT33R0