



**Metal Film Leadless Fixed Resistors**

**General Specification**

Part No.	Power Rating at 70 °C	Tolerance %	T.C.R.	Resistance Range	Max Working Voltage	Max Overload Voltage	Std Packing (Reel)
M12S8	1/8W (0.125W)	± 1%	± 100PPM/°C	1Ω~4.7Ω	150	300	3,000
		± 1%	± 50PPM/°C	4.7Ω~560KΩ			
M24S4	1/4W (0.25W)	± 1%	± 100PPM/°C	5.11MΩ~10MΩ	200	400	3,000
		± 5%	± 100PPM/°C	0.1Ω~0.99Ω			
		± 1%	± 50PPM/°C	1Ω~5.1MΩ			
		± 2%	± 50PPM/°C	1Ω~5.1MΩ			
		± 1%	± 25PPM/°C	10Ω~560KΩ			
M27S2	1/2W (0.50W)	± 1%	± 100PPM/°C	5.11MΩ~10MΩ	250	500	2,000
		± 5%	± 100PPM/°C	0.1Ω~0.99Ω			
		± 1%	± 50PPM/°C	1Ω~5.1MΩ			
		± 2%	± 50PPM/°C	1Ω~5.1MΩ			
		± 1%	± 25PPM/°C	10Ω~560KΩ			
M271U	1W	± 1%	± 100PPM/°C	0.1Ω~0.99Ω 5.11MΩ~10MΩ	350	700	2,000
		± 5%	± 100PPM/°C	0.1Ω~0.99Ω			
		± 1%	± 50PPM/°C	1Ω~5.1MΩ			
		± 2%	± 50PPM/°C	1Ω~5.1MΩ			
		± 1%	± 25PPM/°C	10Ω~560KΩ			
M391S	1W	± 1%	± 50PPM/°C	1Ω~1MΩ	350	700	2,500
		± 2%	± 50PPM/°C	1Ω~1MΩ			
M392U	2W	± 1%	± 50PPM/°C	1Ω~5.1MΩ	350	700	2,500
		± 2%	± 50PPM/°C	1Ω~5.1MΩ			
		± 1%	± 25PPM/°C	10Ω~1MΩ			

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### Special Tolerance & T.C.R.

Part No.	Power Rating at 70°C	Tolerance %	T.C.R.	Resistance Range	Max Working Voltage	Max Overload Voltage	Std Packing (Reel)
M12S8	1/8W (0.125W)	± 0.1%	± 50PPM/°C	100Ω ~ 560KΩ	150	300	3,000
		± 0.1%	± 25PPM/°C	100Ω ~ 100KΩ			
		± 0.25%	± 25PPM/°C	100Ω ~ 300KΩ			
		± 0.5%	± 25PPM/°C	100Ω ~ 500KΩ			
M24S4	1/4W (0.25W)	± 0.1%	± 50PPM/°C	100Ω ~ 560KΩ	200	400	3,000
		± 0.25%	± 50PPM/°C	10Ω ~ 1MΩ			
		± 0.5%	± 50PPM/°C	10Ω ~ 1MΩ			
M27S2	1/2W (0.50W)	± 0.1%	± 25PPM/°C	100Ω ~ 560KΩ	250	500	2,000
		± 0.25%	± 25PPM/°C	100Ω ~ 560KΩ			
		± 0.5%	± 25PPM/°C	100Ω ~ 560KΩ			
M271U	1W	± 0.1%	± 15PPM/°C	100Ω ~ 100KΩ	350	700	2,500
		± 0.25%	± 15PPM/°C	100Ω ~ 330KΩ			

**Derating Curve**

