

Feature

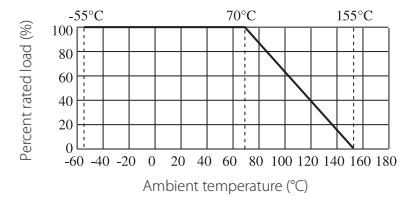
- EIA standard color.
- Flame Retardant type available
- Low noise & voltage coefficient
- Low temperature coefficient range
- Multiple epoxy coating on vacuum-deposited metal film provides superior moisture protection
- Nichrome resistive element provides stable performance in various environments



Dimension (mm)



Derating Curve



Specification

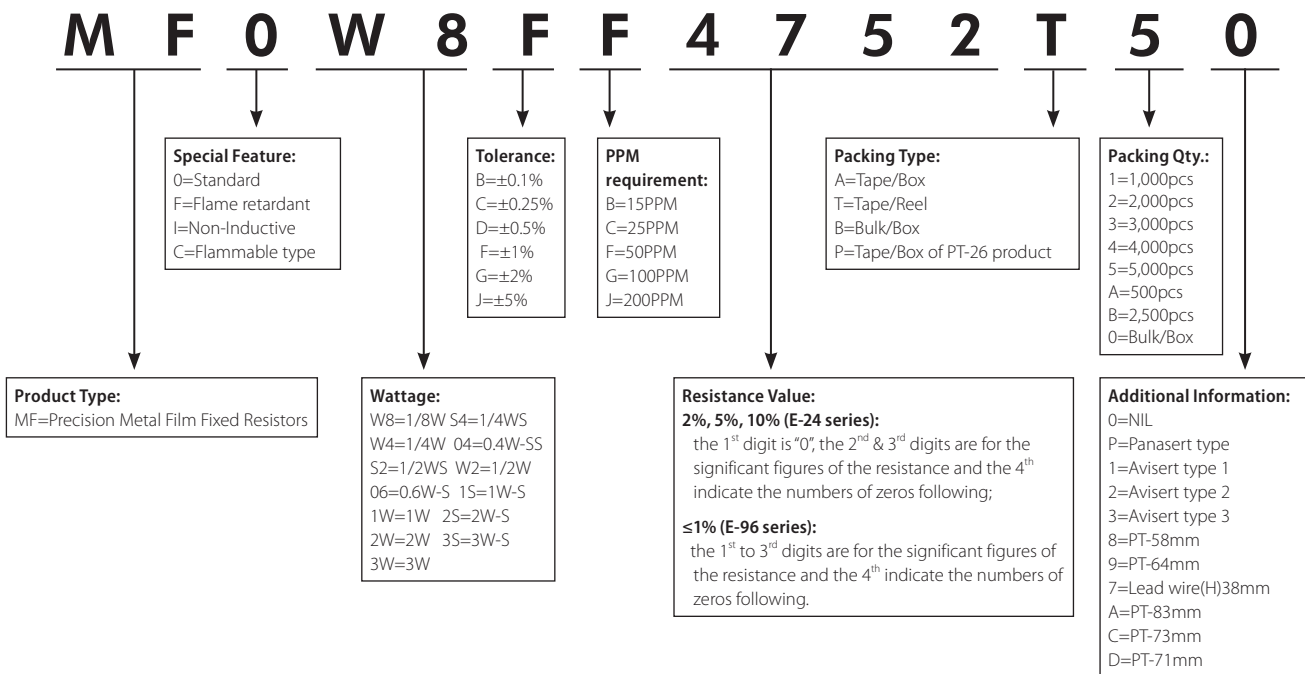
Part No	Type	Power Rating 70 °C	Dimension (mm)					MAX. Working Voltage	MAX. Overload Voltage	Dielectric Withstanding Voltage
			D	L	d±0.05	H±3	PT			
MF0W8	MF-12	1/8W	1.9±0.3	3.3±0.3	0.45	28	52	200V	400V	400V
MF0S4	MF-25-S	1/4W-S	1.9±0.3	3.3±0.3	0.45	28	52	200V	400V	400V
MF004	MF-40-SS	0.4W-SS	1.9±0.5	3.3±0.3	0.45	28	52	200V	400V	400V
MF0W4	MF-25	1/4W	2.2±0.3	6.5±1.0	0.54	28	52	250V	500V	500V
MF0S2	MF-50-S	1/2W-S	2.2±0.5	6.5±1.0	0.54	28	52	250V	500V	250V
MF0W2	MF-50	1/2W	3.0±0.6	9.5±1.0	0.54	28	52	350V	700V	700V
MF006	MF-60-S	0.6W-S	2.2±0.5	6.5±1.0	0.54	28	52	250V	500V	500V
MF01S	MF-100-S	1W-S	3.0±0.6	9.5±1.0	0.54	28	52	350V	700V	700V
MF01W	MF-100	1W	4.5±0.6	11.5±1.0	0.70	25	52	500V	1000V	1000V
MF02S	MF-200-S	2W-S	4.5±0.6	11.5±1.0	0.70	25	52	500V	1000V	1000V
MF02W	MF-200	2W	5.0±0.6	15.5±1.0	0.70	28	64	500V	1000V	1000V
MF03S	MF-300-S	3W-S	5.0±0.6	15.5±1.0	0.70	28	64	500V	1000V	1000V
MF03W	MF-300	3W	6.0±0.6	17.5±1.0	0.75	28	64	500V	1000V	1000V

Part No	Type	Standard Order			Special Order		
		Tolerance	Resistance Range	TCR	Tolerance	Resistance Range	TCR
MF0W8	MF0W8	±1%	10Ω~1MΩ	±50	±0.25%	51.1Ω~200KΩ	±15
MF0S4	MF0S4	±2%	10Ω~1MΩ	±100	±0.5%	51.1Ω~511KΩ	±25
MF004	MF004	±5%	1Ω~1MΩ	±200	±0.5%	51.1Ω~511KΩ	±50
MF0W4	MF-25	±1%	10Ω~1MΩ	±50	±0.1%	10Ω~1MΩ	±15
MF0S2	MF-50-S	±2%	1Ω~1MΩ	±100	±0.25%	10Ω~1MΩ	±25
MF006	MF-60-S	±5%	1Ω~1MΩ	±200	±0.5%	10Ω~1MΩ	±50
MF0W2	MF-50	±1%	10Ω~1MΩ	±50	±0.1%	100Ω~330KΩ	±15
MF01S	MF-100-S	±2%	10Ω~1MΩ	±100	±0.25%	51.1Ω~511KΩ	±25
		±5%	1Ω~1MΩ	±200	±0.5%	10Ω~1MΩ	±50
MF01W	MF-100	±1%	51.1Ω~1MΩ	±50	±0.1%	100Ω~330KΩ	±15
MF02S	MF-200-S	±2%	51.1Ω~1MΩ	±100	±0.25%	51.1Ω~511KΩ	±25
MF02W	MF-200	±5%	1Ω~1MΩ	±200	±0.5%	51.1Ω~1MΩ	±50
MF03S	MF-300-S	±5%	1Ω~1MΩ	±200	±0.5%	51.1Ω~1MΩ	±50
MF03W	MF-300						

Performance Specification

Short-time Overload	$\Delta R/R \leq \pm(0.5\%+0.05 \Omega)$, with no evidence of mechanical damage
Dielectric withstanding voltage	With no evidence of flashover, mechanical damage, arcing or insulation breakdown
Pulse Overload	$\Delta R/R \leq \pm (1\%+0.05)$, with no evidence of mechanical damage
Terminal strength	No evidence of mechanical damage
Soldering heat	$\Delta R/R \leq \pm(1\%+0.05 \Omega)$ with no evidence of mechanical damage
Solderability	Coverage must be over 95%.
Resistance to solvent	No deterioration of protective coating and markings
Rapid change of temperature	$\Delta R/R \leq \pm(1\%+0.05 \Omega)$ with no evidence of mechanical damage
Load life in humidity	Normal type: $\Delta R/R \leq \pm 1.5\%$ & Flame retardant type: $\Delta R/R \leq \pm 5\%$
Load life	Normal type: $\Delta R/R \leq \pm 1.5\%$ & Flame retardant type: $\Delta R/R \leq \pm 5\%$

Ordering Procedure (Example: MF 1/8W 1% 47.5K Ω T/R-5000)



New/Old Part.no Contrast

New Part.no	Old Part.no	New Part.no	Old Part.no
MF0W8FF****A*0	MFR0W8F****A*0	MF01SFF****A*0	MFR01SF****A*0
MF0S4FF****A*0	MFR0S4F****A*0	MF01WFF****A*0	MFR01WF****A*0
MF004FF****A*0	MFR004F****A*0	MF02SFF****A*0	MFR02SF****A*0
MF0W4FF****A*0	MFR0W4F****A*0	MF02WFF****A*0	MFR02WF****A*0
MF0S2FF****A*0	MFR0S2F****A*0	MF03SFF****A*0	MFR03SF****A*0
MF0W2FF****A*0	MFR0W2F****A*0	MF03WFF****A*0	MFR03WF****A*0
MF006FF****A*0	MFR006F****A*0		

Remark: For more details, please check page 135, Part No. System