

# MFF Series

Metal Film, Fusible Resistors

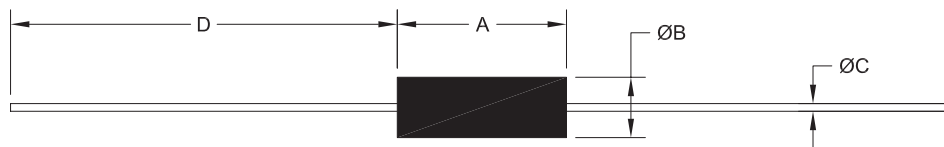


- Fusible Resistor
- Resistances from 1 Ohm to 10K Ohms
- Power Rating 1 to 3 Watts
- Resistance Tolerances of  $\pm 5\%$
- TCR:  $\pm 250\text{ppm/K}$  Standard



## SPECIFICATIONS

Type	Wattage Rating ( Watts )	Ohmic Values Tolerances TCR	Dimensions			
			A $\pm 0.040''$ [ $\pm 1\text{mm}$ ]	B $\pm 0.020''$ [ $\pm 0.5\text{mm}$ ]	C $\pm 0.002''$ [ $\pm 0.05\text{mm}$ ]	D MIN
MFFS-1	1	1 Ohm to 10K Ohms $\pm 5\%$ $\pm 250\text{ppm/K}$	0.375 [9.5]	0.138 [3.5]	0.024 [0.6]	0.98 [25]
MFF-1	1		0.472 [12.0]	0.157 [4.0]	0.032 [0.8]	0.94 [24]
MFFS-2	2		0.472 [12.0]	0.157 [4.0]	0.032 [0.8]	0.94 [24]
MFF-2	2		0.630 [16.0]	0.217 [5.5]	0.032 [0.8]	1.26 [32]
MFFS-3	3		0.630 [16.0]	0.217 [5.5]	0.032 [0.8]	1.26 [32]



Specification	Value	Minimum Fusing Overload ( Time )
Fusing Characteristics	1 Ohm to 3.6 Ohms	15 Times Rated Power ( 30s MAX )
	1.1K Ohms to 3K Ohms	
	3.9 Ohms to 1K Ohms	12 Times Rates Power ( 30s MAX )
Temperature Range	-55°C to +155°C	
Insulation Resistance	>10000 MOhms	
Max Working Voltage	300V ( 250V MFFS-1 )	
Max Overload Voltage	600V ( 400V MFFS-1 )	
Dielectric Voltage	400V	
Environmental Performance (MIL-STD 202)	$\Delta R$	
Load Life	$\pm 5\%$	
Resistance to Solder Heat	$\pm 0.5\% + 0.05$ Ohm	
Temperature Cycling	$\pm 1\% + 0.02$ Ohm	
Short Time Overload	$\pm 2\%$	

## Ordering Information

Part Number - Resistance - Tolerance  
Example: MFF-2 10 Ohm 5%