

FEATURES

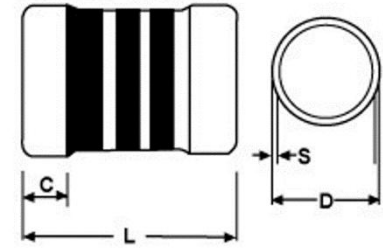
- Low TCR: lower than $\pm 0.1\%$,
- Power dissipation rating up to 3WS.
- Very high ratio of performance to price.



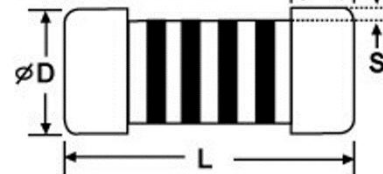
DIMENSIONS (mm)

Type	POWER RATING	Size	Dimensions(mm)				
			L	D	C	S	
						Max.	Min.
MFM	1/8W	0204	3.5 \pm 0.2	1.45 \pm 0.1	0.6 \pm 0.1	1.40	1.20
	1/4Ws						
	1/4W	0207	5.7 \pm 0.2	2.2 \pm 0.1	0.8 \pm 0.2	2.30	2.00
	1/2Ws						
	1Wss						
MFM	1Ws	0309	9.5 \pm 0.3	3.6 \pm 0.3	2.2 \pm 0.2	0.4 \pm 0.1	
	2Ws	0411	11.2 \pm 0.3	4.7 \pm 0.3	2.6 \pm 0.2	0.5 \pm 0.1	
	3Ws	0515	15.2 \pm 0.3	5.3 \pm 0.3	2.6 \pm 0.2	0.5 \pm 0.1	

MFM TYPE



MFH TYPE



Coating color: Beige.

RESISTANCE RANGE

Type	POWER RATING	Size	MAX. RATING VOLTAGE	MAX. OVERLOAD VOLTAGE	T.C.R	RESISTANCE RANGE			
						$\pm 0.1\%$ $\pm 2.5\%$	$\pm 0.5\%$	$\pm 1\%$	$\pm 5\%$
MFM	1/8W	0204	150V	300V	$\pm 15\text{ppm}$ $\pm 25\text{ppm}$ $\pm 50\text{ppm}$ $\pm 100\text{ppm}$	100 Ω -56K	100 Ω -100K	1 Ω -1M	0 Ω 22-2M
						100 Ω -56K	100 Ω -100K	1 Ω -1M	0 Ω 5-2M
	1/4W	0207	200V	400V	$\pm 15\text{ppm}$ $\pm 25\text{ppm}$ $\pm 50\text{ppm}$ $\pm 100\text{ppm}$	100 Ω -100K	10 Ω -560K	1 Ω -5M	0 Ω 22-5M
						100 Ω -100K	10 Ω -560K	1 Ω -5M	0 Ω 22-5M
						100 Ω -100K	10 Ω -560K	1 Ω -5M	0.5 Ω -5M
MFM	1Ws	0309	500V	1000V	$\pm 50\text{ppm}$ $\pm 100\text{ppm}$	-----	10 Ω -100K	1 Ω -1M	0.1 Ω -1M
						-----	10 Ω -100K	1 Ω -1M	0.1 Ω -1M
						-----	10 Ω -100K	1 Ω -1M	0.1 Ω -1M

Rated-Voltage = $\sqrt{P(W) \times R(\Omega)}$ or Max. working voltage, whichever lower.



SPECIFICATIONS

Item	Characteristics	Test Method
Operating Temp. Range	-55°C~155°C	
Temperature Coefficient	±100ppm/°C; ±50ppm/°C ±25ppm/°C; ±15ppm/°C	JIS-C-5202; 5.2
Short time overload	±(0.5% +0.05Ω)	Rating voltage X 2.5 or Max. overload Voltage for 5 sec. Whichever less
Pulse overload	±(0.5% +0.05Ω)	Rating voltage X 4 or Max. pulse Overload voltage for 10,000 cycle (1 sec."on" 25 sec."off). Whichever less
Temperature cycling	±(0.5% +0.05Ω)	-55°C(30min.)/+85°C(30min.) for 5 cycle
Load Life in Humidity	±(1% +0.05Ω)	40°C±2°C, 90%~95% RH, 1000h, 1.5h "on"/0.5h "off" cycle
Load Life	±(1% +0.05Ω)	70°C±2°C, 1000h, 1.5h "on"/0.5h "off" cycle
Resistance to soldering heat	±(0.5% +0.05Ω)	260°C±5°C, 5 sec±1 sec
Solderability	90% Coverage/Min	235°C±5°C, 2 sec±0.5 sec
Bending test	±(0.5% +0.05Ω)	Holding point width 90mm, Bending 5mm, 1 time
Non-Combustibility	The resistors shall withstand Overload test in accordance With Article UL-94, V-0 without producing a fire hazard.	

PACKAGING

Size	TAPE/REEL	BULK	CARTON
0204	3000pcs	-----	-----
0207	2000pcs	-----	-----
0309	2000pcs	2000pcs	20000pcs
0411	1500pcs	1000pcs	10000pcs
0515	NON	500pcs	5000pcs

Note: Other resistance is available on request. WEET is capable of doing custom service for you.



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