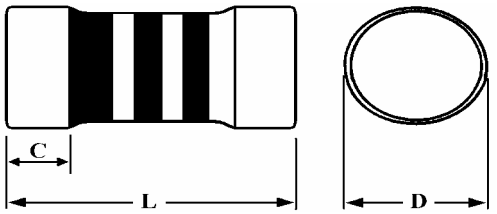
Carbon Film MELF Resistor

CFM Series

MERITEK

RoHS



Coating Color : Beige.
Marking : Color Bands.
※E-24 Series =3 bands.

Dimensions

Type	Size	Dimensions (mm)		
		L	D	C
CFM	0204	3.5±0.2	1.45±0.1	0.6±0.1
	0207	5.7±0.2	2.2±0.1	0.8±0.2

Range

TYPE	SIZE	POWER RATING	MAX. WORKING VOLTAGE	MAX. OVERLOAD VOLTAGE	RESISTANCE RANGE (E-24):J(±5%)
CFM	0204	1/4Ws(0.25W)	250V	500V	10Ω~2.2MΩ
		1/8W(0.125W)	200V	400V	
	0207	1Wss(1W)	400V	600V	
		1/2Ws(0.5W)	300V		
		1/4W(0.25W)	250V	500V	

Characteristics

Item	Characteristics					Test Method
1. Temp. Coefficient	T.C.R. (ppm/℃)	0～-450	0～-700	0～-1000	0～-1300	JIS-C-5202; 5.2
	0204	Under 47KΩ	51KΩ～220KΩ	240KΩ～470KΩ	Over 510KΩ	
	0207	Under 100KΩ	110KΩ～1MΩ	1.1MΩ～2.2MΩ	Over 2.2MΩ	
2. Short time overload	±(1%+0.05Ω)					JIS-C-5202; 5.5
3. Pulse overload	±(2%+0.05Ω)					JIS-C-5202; 5.8
4. Temperature cycling	±(1%+0.05Ω)					JIS-C-5202; 7.4
5. Load Life in Humidity	±(5%+0.05Ω)					JIS-C-5202; 7.9
6. Load Life	±(5%+0.05Ω)					JIS-C-5202; 7.10
7. Resistance to soldering heat	±(2%+0.05Ω)					JIS-C-5202; 6.4
8. Solderability	90% Coverage/Min					JIS-C-5202; 6.5
9. Non-Combustibility	No evidence of flaming					**UL-94; V-0**

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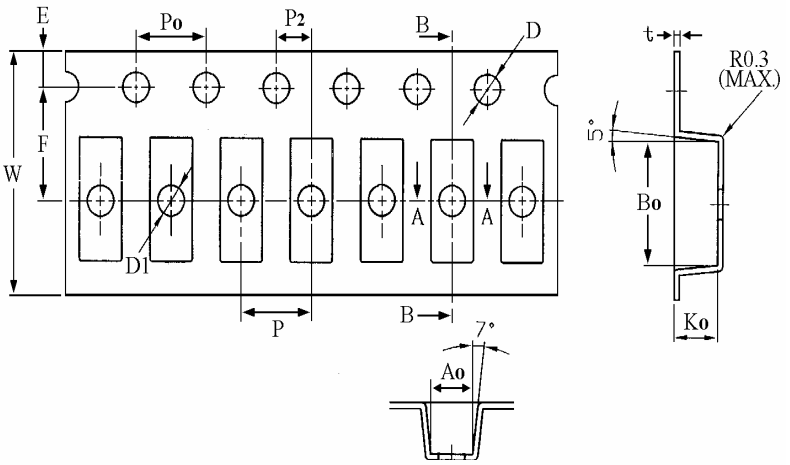
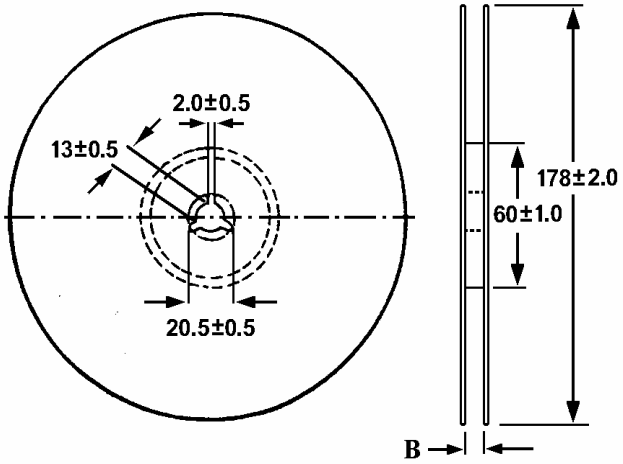
Part Numbering

CFM	0204	V	103	G	T
Meritek Series	Size	Power Rating	Resistance	Tolerance	Packing
		T: 1W U: 1/2W V: 1/4W W: 1/8W	100 = 10 ohm 101 = 100 ohm 102 = 1K ohm 103 = 10K ohm 104 = 100K ohm 105 = 1M ohm	G: ±2% J: ±5%	T: Taping Reel B: Bulk

TYPE	CFM	
DIM	0204	0207
W	8.00±0.10	12.00±0.10
P	4.00±0.10	4.00±0.10
E	1.75±0.10	1.75±0.10
F	3.50±0.05	5.50±0.05
P2	2.00±0.05	2.00±0.05
D	1.50±0.10	1.50±0.10
D1	1.00±0.10	1.50±0.10
Po	4.00±0.10	4.00±0.10
B	8.00±0.50	12.00±0.50
Ao	1.60±0.10	2.40±0.10
Bo	3.70±0.10	6.05±0.10
Ko	1.65±0.10	2.50±0.10
t	0.22±0.05	0.30±0.05