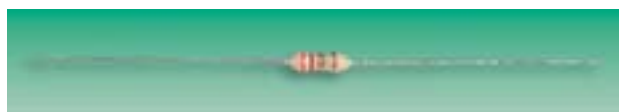


0.25 Watt ±5% - MCF ¼W Series



L=6.8 max, Dia=2.5 max Lead length=28.0, Lead dia=0.6
Supplied bandoliered on tape (box=5K pcs)

Power rating @ 70°C	0.25W	Maximum overload voltage	500V
Temperature coefficient	0 to -700ppm/°C	Operating temperature	-55°C to + 155°C
Voltage rating	250V		

Stocked in the following OHMIC Values:

1R = 933-9094	27R = 933-9345	680R = 933-9655	18K = 933-9256	470K = 933-9566
1R2 = 933-9159	33R = 933-9400	820R = 933-9710	22K = 933-9310	560K = 933-9620
1R5 = 933-9213	39R = 933-9469	1K = 933-9051	27K = 933-9370	680K = 933-9680
1R8 = 933-9272	47R = 933-9523	1K2 = 933-9124	33K = 933-9434	820K = 933-9744
2R2 = 933-9337	56R = 933-9582	1K5 = 933-9183	39K = 933-9493	1M = 933-9086
2R7 = 933-9396	68R = 933-9647	1K8 = 933-9248	47K = 933-9558	1M2 = 118-6236
3R3 = 933-9450	82R = 933-9701	2K2 = 933-9302	56K = 933-9612	1M5 = 118-6237
3R9 = 933-9515	100R = 933-9043	2K7 = 933-9361	68K = 933-9671	1M8 = 118-6238
4R7 = 933-9574	120R = 933-9116	3K3 = 933-9426	82K = 933-9736	2M2 = 118-6239
5R6 = 933-9639	150R = 933-9175	3K9 = 933-9485	100K = 933-9078	2M7 = 118-6240
6R8 = 933-9698	180R = 933-9230	4K7 = 933-9540	120K = 933-9140	3M3 = 118-6241
8R2 = 933-9752	220R = 933-9299	5K6 = 933-9604	150K = 933-9205	3M9 = 118-6242
10R = 933-9035	270R = 933-9353	6K8 = 933-9663	180K = 933-9264	4M7 = 118-6244
12R = 933-9108	330R = 933-9418	8K2 = 933-9728	220K = 933-9329	5M6 = 118-6245
15R = 933-9167	390R = 933-9477	10K = 933-9060	270K = 933-9388	6M8 = 118-6246
18R = 933-9221	470R = 933-9531	12K = 933-9132	330K = 933-9442	8M2 = 118-6247
22R = 933-9280	560R = 933-9590	15K = 933-9191	390K = 933-9507	10M = 118-6248

Order Code	Price Each				
	50+	500+	1K+	5K+	+
All values ●	1.00	1.00	1.00	1.00	--

0.5 Watt ±5% - MCF ½W Series



Lead length=28.0, Lead dia. =0.6 L=9.0, Dia=3.0 Supplied bandoliered on tape (box=2K pcs.)

Power rating @ 70°C	0.5W	Maximum overload voltage	700V
Temperature coefficient	0 to -700ppm/°C	Operating temperature	-55°C to + 155°C
Voltage rating	350V		

Stocked in the following OHMIC Values:

1R = 933-8411	68R = 933-8918	1K5 = 933-8497	33K = 933-8721	680K = 933-8950
1R5 = 933-8527	82R = 933-8977	1K8 = 933-8551	39K = 933-8780	820K = 933-9019
2R2 = 933-8632	100R = 933-8357	2K2 = 933-8608	47K = 933-8837	1M = 933-8390
3R3 = 933-8748	120R = 933-8438	2K7 = 933-8667	56K = 933-8896	1M2 = 118-6234
4R7 = 933-8853	150R = 933-8489	3K3 = 933-8713	68K = 933-8942	1M5 = 118-6249
6R8 = 933-8969	180R = 933-8543	3K9 = 933-8772	82K = 933-9000	1M8 = 118-6250
10R = 933-8349	220R = 933-8594	4K7 = 933-8829	100K = 933-8381	2M2 = 118-6252
12R = 933-8420	270R = 933-8659	5K6 = 933-8888	120K = 933-8462	2M7 = 118-6253
15R = 933-8470	330R = 933-8705	6K8 = 933-8934	150K = 933-8519	3M3 = 118-6254
18R = 933-8535	390R = 933-8764	8K2 = 933-8993	180K = 933-8578	3M9 = 118-6256
22R = 933-8586	470R = 933-8810	10K = 933-8373	220K = 933-8624	4M7 = 118-6257
27R = 933-8640	560R = 933-8870	12K = 933-8454	270K = 933-8683	5M6 = 118-6258
33R = 933-8691	680R = 933-8926	15K = 933-8500	330K = 933-8730	8M2 = 118-6259
39R = 933-8756	820R = 933-8985	18K = 933-8560	390K = 933-8799	6M8 = 118-6260
47R = 933-8802	1K = 933-8365	22K = 933-8616	470K = 933-8845	10M = 933-8403
56R = 933-8861	1K2 = 933-8446	27K = 933-8675	560K = 933-8900	

Order Code	Price Each				
	50+	500+	1K+	2K+	+
All values ●	1.00	1.00	1.00	1.00	--

Carbon Film ±5% Resistor Kits



- 0.25 and 0.5 watt carbon film resistor kits
- E6, E12 and E24 series of values
- 100 pieces of each preferred value from 10R to 1M

E6 series 10, 15, 22, 33, 47, 68 (100 of each value)
E12 Series 10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82 (100 of each value)

	Order Code	Price Each			
		1+	3+	6+	
0.25 Watt					
E6 Kit	31 Values	117-1087●	3,817.00	3,079.00	2,763.00
E12 Kit	61 Values	117-1088●	6,888.00	6,102.00	5,474.00
0.5 Watt					
E6 Kit	31 Values	117-0593●	3,190.00	2,813.00	2,391.00
E12 Kit	61 Values	117-0595●	6,422.00	5,664.00	4,814.00

1 Watt ±5% - MCF 1W Series



L=12.0, Dia.=5.0 Lead Length=28.0, Lead dia.=0.7
Supplied bandoliered on tape (box=1K pcs)

Power rating @ 70°C	0.5W	Maximum overload voltage	700V
Temperature coefficient	0 to -700ppm/°C	Operating temperature	-55°C to + 155°C
Voltage rating	350V	Temperature coefficient	0 to -700ppm/°C

Stocked in the following OHMIC Values:

1R = 933-7717	22R = 933-7784	470R = 933-7911	5K6 = 933-7962	100K = 933-7695
1R5 = 933-7776	33R = 933-7849	680R = 933-7989	6K8 = 933-7997	150K = 933-7768
2R2 = 933-7830	47R = 933-7903	1K = 933-7679	10K = 933-7687	220K = 933-7822
3R3 = 933-7890	68R = 933-7970	1K5 = 933-7741	15K = 933-7750	330K = 933-7881
4R7 = 933-7954	100R = 933-7660	2K2 = 933-7806	22K = 933-7814	470K = 933-7946
6R8 = 933-8020	150R = 933-7733	3K3 = 933-7865	33K = 933-7873	680K = 933-8012
10R = 933-7652	220R = 933-7792	4K7 = 933-7920	47K = 933-7938	1M = 933-7709
15R = 933-7725	330R = 933-7857	5K6 = 333-4946	68K = 933-8004	

Order Code	Price Each				
	10+	500+	1K+	5K+	+
All values ●	1.00	1.00	1.00	1.00	--

2 Watt ±5% - MCF 2W Series



L=16.0, Dia.=5.5 Lead length=28.0, Lead dia.=0.8
Supplied bandoliered on tape (box=1K pcs)

Power rating 70°C	2W	Operating temperature	-55°C to + 155°C
Voltage rating	500V	Temperature coefficient	0 to -700ppm/°C
Maximum overload voltage	1000V		

Stocked in the following OHMIC Values:

10R = 933-8039	150R = 933-8101	2K2 = 933-8160	15K = 933-8128	150K = 933-8136
15R = 933-8098	220R = 933-8152	1K5 = 933-8110	22K = 933-8179	220K = 933-8187
22R = 933-8144	330R = 933-8209	3K3 = 933-8217	33K = 933-8225	330K = 933-8233
33R = 933-8195	470R = 933-8250	4K7 = 933-8268	47K = 933-8276	470K = 933-8284
47R = 933-8241	680R = 933-8306	6K8 = 933-8314	68K = 933-8322	680K = 933-8330
68R = 933-8292	1K = 933-8055	10K = 933-8063	100K = 933-8071	1M = 933-8080
100R = 933-8047				

Order Code	Price Each				
	10+	500+	+	+	+
All values ●	1.00	1.00	--	--	--

Thick Film

Surface Mount - ±1%



Supplied on 8mm tape individually marked (reel=5K pcs)

Operating temperature -55°C to + 125°C

Case Size	Dimensions			Maximum Working Voltage (V)	Temperature Coefficient	Tolerance
	L	W	H			
0603	1.6	0.8	0.4-0.55	50	±200ppm/°C	±1%
0805	2	1.25	0.4-0.55	100	±200ppm/°C	±1%
1206	3.2	1.6	0.4-0.65	200	±200ppm/°C	±1%

0.063 Watt ±1% (0603 Case Size)

Stocked in the following OHMIC Values:

0R = 933-1662	15R4 = 117-0608	24R3 = 117-0627	38R3 = 117-0645	57R6 = 117-0664
1R5 = 933-0640	16R = 933-0690	24R9 = 117-0628	39R = 933-1174	59R = 117-0665
2R2 = 933-0852	16R2 = 117-0609	25R5 = 117-0629	39R2 = 117-0646	60R4 = 117-0666
3R3 = 933-1069	16R5 = 117-0610	26R1 = 117-0630	40R2 = 117-0647	61R9 = 117-0667
4R7 = 933-1280	16R9 = 117-0611	26R7 = 117-0631	41R2 = 117-0649	62R = 933-1433
6R8 = 933-1492	17R8 = 117-0613	27R = 933-0950	42R2 = 117-0651	63R4 = 117-0668
10R = 933-0429	18R = 933-0747	27R4 = 117-0632	43R = 933-1220	64R9 = 117-0669
10R2 = 117-0597	18R2 = 117-0614	28R = 117-0633	43R2 = 117-0652	66R5 = 117-0670
10R5 = 117-0598	18R7 = 117-0616	28R7 = 117-0634	44R2 = 117-0653	68R = 933-1484
11R = 933-0470	19R1 = 117-0617	30R = 933-1000	45R3 = 117-0654	68R1 = 117-0671
11R5 = 117-0599	19R6 = 117-0618	30R1 = 117-0635	46R4 = 117-0655	71R5 = 117-0672
12R = 933-0534	20R = 933-0798	30R9 = 117-0637	47R = 933-1271	73R2 = 117-0674
12R1 = 117-0601	20R5 = 117-0619	31R6 = 117-0638	47R5 = 117-0656	75R = 933-1549
12R4 = 117-0602	21R = 117-0620	33R = 933-1050	48R7 = 117-0657	76R8 = 117-0675
12R7 = 117-0603	21R5 = 117-0621	33R2 = 117-0639	49R9 = 117-0658	78R7 = 117-0676
13R = 933-0585	22R = 933-0844	34R = 117-0640	51R = 933-1336	80R6 = 117-0677
13R3 = 117-0604	22R1 = 117-0622	34R8 = 117-0641	52R3 = 117-0659	82R = 933-1590
14R = 117-0605	22R6 = 117-0623	35R7 = 117-0642	53R6 = 117-0660	82R5 = 117-0679
14R3 = 117-0606	23R2 = 117-0625	36R = 933-1123	54R9 = 117-0662	84R5 = 117-0680
14R7 = 117-0607	23R7 = 117-0626	36R5 = 117-0643	56R = 933-1387	86R6 = 117-0681
15R = 933-0631	24R = 933-0909	37R4 = 117-0644	56R2 = 117-0663	88R7 = 117-0682

Resistors, Potentiometers & Thermistors

17

Compliant
Non-compliant
RoHS Limited stock - RoHS replacement available