Resistor Kit





Features:

- Automatically insertable
- · High quality performance
- · Non-flame type available
- · Cost effective and commonly used
- · Too low or too high values can be supplied on a case to case basis

Performance Specifications:

Temperature coefficient	: ±350PPM/°C for ≤ 10Ω ±450PPM/°C for 11Ω to 99kΩ 0 to -700PPM/°C for 100kΩ to 10MΩ 0 to -1500PPM/°C for 1.1MΩ to 10MΩ				
Short-time overload	: $\Delta R/R \le \pm (1.0\% + 0.05\Omega)$, with no evidence of mechanical damage				
Minimum insulation resistance	: 10,000 MΩ				
Dielectric withstanding voltage	: No evidence of flashover, mechanical damage, arcing or insulation breakdown				
Terminal strength	: No evidence of mechanical damage				
Resistance to soldering heat	: $\Delta R/R \le \pm (1.0\% + 0.05\Omega)$, with no evidence of mechanical damage				
Minimum solderability	: 95% coverage				
Resistance to solvent	: No deterioration of protective coating and markings				
Temperature cycling	: $\Delta R/R \le \pm (1.0\% + 0.05\Omega)$, with no evidence of mechanical damage				
Load life in humidity	: Normal type : $\Delta R/R \pm 3\%$ for < 100k Ω , $\pm 5\%$ for ≥ 100k Ω				
	Non-flame type $ \Delta R/R \pm 5\% $ for < 100k Ω , $\pm 10\%$ for ≥ 100k Ω				
Load life	: Normal type : $\Delta R/R \pm 2\%$ for < 56k Ω , $\pm 3\%$ for ≥ 56k Ω				
	Non-flame type $ \Delta R/R \pm 5\% $ for < 100k Ω , $\pm 10\%$ for ≥ 100k Ω				
Operating temperature	: -55°C to +155°C				

Specification Table

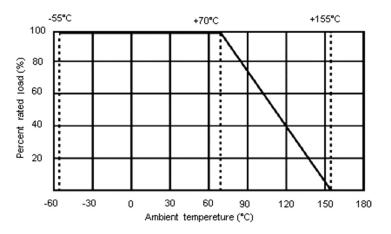
Series	Power Rating at 70ºC (W)	Maximum Working Voltage (V)	Maximum Overload Voltage (V)	Dielectric Withstanding Voltage (V)	Resistance Range
MCF 0.5W	1/2 (0.5)	350	700	700	1Ω ~ 10MΩ

Note: Standard E - 24 series values in ±5% tolerance.

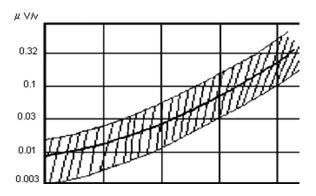




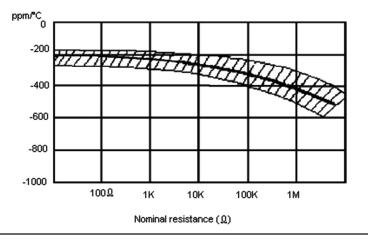
Derating Curve



Current Noise



Temperature Coefficient







E6	E12	E24	E96	E6	E12	E24	E96	E6	E12	E24	E96
10	10	10	10				21.5				46.4
			10.2	22	22	22	22.1	47	47	47	47.5
			10.5				22.6				48.7
			10.7				23.2				49.9
		11	11				23.7			51	51.1
			11.3			24	24.3				52.3
			11.5				24.9				53.6
			11.8				25.5				54.9
	12	12	12.1				26.1		56	56	56.2
			12.4				27.7				57.6
			12.7		27	27	27.4				59
		13	13				28				60.4
			13.3				28.7			62	61.9
			13.7				29.4				63.4
			14			30	30.1				64.9
			14.3				30.9				66.5
			14.7				31.6	68	68	68	68.1
15	15	15	15				32.4				69.8
			15.4	33	33	33	33.2				71.5
			15.8				34				73.2
		16	16.2				34.8			75	75
			16.5				35.7				76.8
			16.9			36	36.5				78.7
			17.4				37.4				80.6
			17.8				38.3		82	82	82.5
	18	18	18.2		39	39	39.2				84.5
			18.7				40.2				86.6
			19.1				41.2				88.7
			19.6				42.2			91	90.9
		20	20			43	43.2				93.1
			20.5				44.2				95.3
			21				45.3				97.6

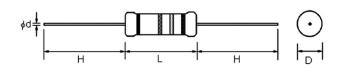
Above values in accordance with IEC Publication 63 (1963) and BS2488



Resistor Kit



Dimensions:



Maximum Diameter (D)	Maximum Length (L)	Height (H ±3)	Lead Diameter (D ±0.05)
3	9	28	0.6

Dimensions : Millimetres

Part Number Table

Description	Part Number		
Resistor Kit, 0.5W, 5%, E6	CFR0S2JE006KIL		

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