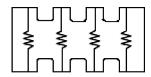
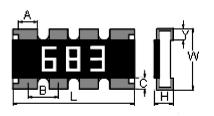




## **Equivalent Circuit Diagram**



#### **Dimensions**



#### Features:

- · Small size and light weight
- Reduction of assembly costs and matching with placement machines
- Reliability, High quality
- Suitable for both IR reflow soldering and wave soldering

### **Applications:**

- Entertainment
- Computer and relative products
- · Communication equipment
- Power equipment
- · Measuring Instrument

Туре	Number of Resistors	L	W	Н	A	В	С	Υ
0804	4	2 ±0.1	1 ±0.1	0.45 ±0.1	0.3 ±0.1	0.5 ±0.05	0.22 ±0.15	0.22 ±0.15

Dimensions: Millimetres

### **Electrical Characteristics Specifications:**

Item Type	Power Rating/ Rated Current	Operating Temperature Range (°C)	Max. Operating Voltage (V)	Max. Overload Voltage (V)	Number of Resistors	Resist- ance Tolerance		Resistance Range	TCR (PPM/°C)	
0804	1/16W	55 to 1405	25	50	4	.40/	E24 E96	10Ω to 1MΩ		
Jumper	1A	-55 to +125	25			±1%	-	0Ω (<50MΩ)	±200	

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### **Environmental Characteristics**

lto m	Specific	ation	Took Mothe d			
Item	±1%	Jumper	Test Method			
Temperature coefficient of resistance (TCR)	Within the sp	ecification	JIS C 5201 4.8 IEC 60115-1 4.8 -55°C to +125/+155°C, 20°C is the reference temperature			
Short time overload	±(1% +0.05Ω) <50mΩ		JIS C 5201 4.13 IEC 60115-1 4.13 2.5 times RCWV or maximum overload voltage for 5 seconds			
Insulation resistance	≥100	3	JIS C 5201 4.6 IEC 60115-1 4.6 Maximum overload voltage for 1 minute			
Voltage proof	no breakdown	or flashover	JIS C 5201 4.7 IEC 60115-1 4.7 1.42 times RCWV (RMS) for 1 minute			
Substrate bending test	±(1% +0.05Ω)	<50mΩ	JIS C 5201 4.33 IEC 60115-1 4.33 Bending once for 5 seconds with 3mm			
Resistance to soldering heat	±(0.5% +0.05Ω)	<50mΩ	JIS C 5201 4.18 IEC 60115 4.18 260 ±5°C for 10 seconds			
Leaching	Individual leachi Total leaching		JIS C 5201 4.18 IEC 60068-2-58 8.2.1 260 ±5°C for 30 seconds			
Solderability	>95% coverage		JIS C 5201 4.17 IEC 60115-1 4.17 245 ±3°C for 3 seconds			
Endurance at upper category temperature	±(1% +0.05Ω)	<50mΩ	JIS C 5201 4.23 IEC 60115-1 2.23.2 at +125/+155°C for 1000 hours			
Rapid change of $\pm (0.5\% \pm 0.05\Omega)$ <50m $\Omega$		JIS C 5201 4.19 IEC 60115-1 4.19 -55°C to +125/+155°C, 5 cycles				
Damp heat with load	±(2% +0.10Ω)	<100mΩ	JIS 5201 4.24 40 ±2°C, 90 to 95% R.H. or maximum working voltage for 1000 hours with 1.5 hours "ON" and 0.5 hour "OFF"			
Endurance $\pm (2 + 0.1\Omega)$ <100m $\Omega$		JIS C 5201 4.25 IEC 60115-1 4.25.1 70 ±2°C, or maximum working voltage for 1,000 hours with 1.5 hours "ON" and 0.5 hour "OFF"				

Storage temperature : 25 ±3°C; Humidity <80%RH





## **Resistance Preferred Value Range**

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
			14.0			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





#### **Stocked Values:**

Tolerance	Wattage W	Preferred Value Range	Range Value		
1%	0.063	E96	1R5 - 1M		
1%	0.1	E24	1R5 - 1M		
1%	0.125	E24	10R - 1M		

### **Part Number Table**

Description	Part Number
Resistor Array, 0804, 100R	MCRE000213
Resistor Array, 0804, 470R	MCRE000214
Resistor Array, 0804, 1K	MCRE000215
Resistor Array, 0804, 4K7	MCRE000216
Resistor Array, 0804, 10K	MCRE000217
Resistor Array, 0804, 47K	MCRE000218
Resistor Array, 0804, 100K	MCRE000219

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