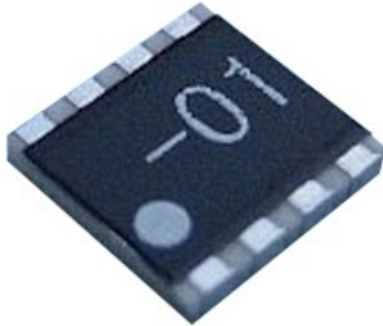


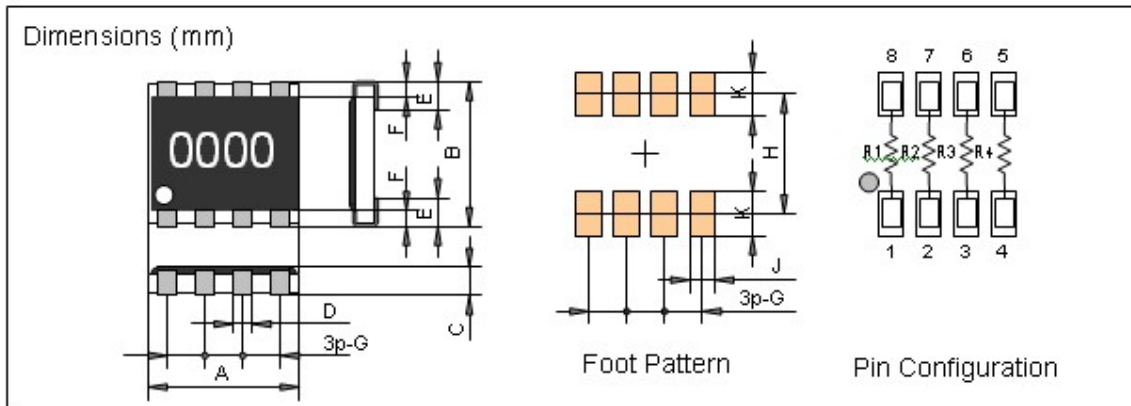
MCM

SMD RESISTOR NETWORKS



Features and Applications:

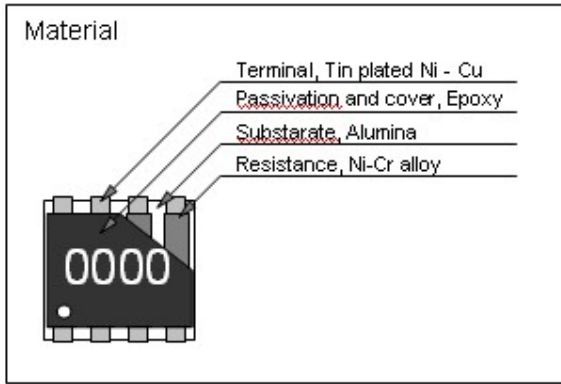
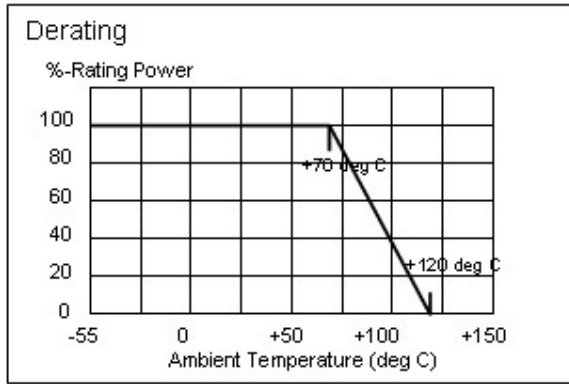
These are precision NiCr thin film resistor networks featuring 2ppm/C tracking and a 0.02% ratio. They have a 50mW/resistor rating which is a sufficiently derated power for 5 volt analog circuits. Simple standard circuits for 8pin are available to satisfy flexible circuit design requirements. These units are supplied in plastic tape reels for automated assembly. Custom designed circuits are also available in 8pin configuration. Applications include: Measurement, industrial electronics, industrial instruments, automatic testing, high-speed digital data transmission, intelligent hubs and routers, and data switching.



	A	B	C	D	E	F	G	H	J	K
MCM8	5.00	5.00	0.80	0.635	1.00	(0.5)	1.27	4.00	0.635	1.00
	+/-0.2	+/-0.1	+/-0.2	+/-0.1	+/-0.2		+/-0.1	-	+/-0.1	-

Ordering Information

P/N	Type	TCR	R1	R2	R3	R4	Tol	Additional
MCM8Z100RBZ00	MCM8	Z	100ohm	100ohm	100ohm	100ohm	B	Z01(Tape)
MCM8Z1K00BZ00	MCM8	Z	1Kohm	1Kohm	1Kohm	1Kohm	B	Z01(Tape)
MCM8Z10K0BZ00	MCM8	Z	10Kohm	10Kohm	10Kohm	10Kohm	B	Z01(Tape)
MCM8Z0000BZ00	MCM8	Z	any	any	any	any	B	Z01(Tape)



Performances

Type	MCM	Note
Resistance Range (ohm)	100 ohm - 22Kohm	
Standard Resistance	100ohm 1Kohm 10Kohm	Same resistance
TC-Absolute	+/-5ppm/deg C	
TC-Tracking	+/-2ppm/deg C	
Tolerance-Absolute	+/-0.1%	
Tolerance-Matching	+/-0.02%	
Rating Power/Resistor	50 mW	
Rating Power/Package	0.2 W	
Max. Operating Volt.	$\sqrt{P \cdot R}$ or 80 V	
Rating Temp.	+70°C	
Operating Temp. Range	-55 to +120 deg C	
Storage Temp. Range	-55 to +120 deg C	

Electrical Specifications

Items	Specifications	Conditions
Short Time Overload	+/(0.05%) absolute	2.5 times rating power, 5 seconds
Insulation Resistance	>10,000Mohm	
Withstand Voltage	+/(0.05%) absolute	100V, 60 seconds
Heat Shock	+/(0.1%) absolute	5 cycles for temp. -65, +25, +125, +25 degC
Soldering Heat	+/(0.05%) absolute	350 deg C, 3 seconds
Solder ability	Covered 95% area	230 deg C, 3 seconds
Solvent	No mechanical damage	
Humidity	+/(0.1%) absolute	40 deg C, 90-95RH, DC 0.1W, 1000hours
Load Life	+/(0.1%) absolute	70 deg C, 90min.ON, 30min.OFF, 1000hours

Marking

Four digits notation will be printed in standard network, four resistors in same resistance as 100R, 1K00 or 10K0.
 In custom circuit, individual specification document will defines four digits alpha numeric printing.