

# Resistors & Potentiometers

## Carbon Potentiometers

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

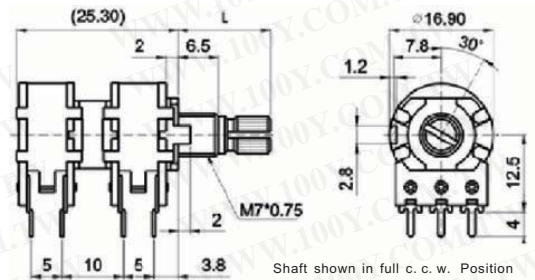


ELECTRICAL CHARACTERISTICS	
Total resistance	5KΩ~2MΩ
Total resistance tolerance	±20° (more than 1MΩ ±30%)
Rated power	Curve B: 0.125W other than B: 0.06W
Max. operating voltage	Curve B: 200V other than B: 150V
Resistance taper	A, B, C, D
Residual resistance	R≥250KΩ 0.1% max. of total resistance 250KΩ>R>10KΩ 20Ω max. 10KΩ≥R 10Ωmax.
Insulation resistance	More than 100MΩ at DC500V
Gang error	-40~0 dB≤3dB (Specialy: -60~0 dB≤1.5dB)

Part No.	Product No.	Manufacturer	Description	Power rating (W)	Resistance data(Ω)	Tolerance(±)
5457	R1610N-8A1-B101-0H03		PCB Mounting Carbon Potentiometer With Switch	1/4W	100Ω	±20%
38100	R1610N-8A1-B102-0H03	HT	PCB Mounting Carbon Potentiometer With Switch	1/4W	1KΩ	±20%
32735	R1610N-8A1-B103-0H03	HT	PCB Mounting Carbon Potentiometer With Switch	1/4W	10KΩ	±20%
32084	R1610N-8A1-B104-0H03	HT	PCB Mounting Carbon Potentiometer With Switch	1/4W	100KΩ	±20%
12194	R1610N-8A1-B105-0H03		PCB Mounting Carbon Potentiometer With Switch	1/4W	1MΩ	±20%
2066	R1610N-8A1-B202-0H03		PCB Mounting Carbon Potentiometer With Switch	1/4W	2KΩ	±20%
2069	R1610N-8A1-B203-0H03		PCB Mounting Carbon Potentiometer	1/4W	20KΩ	±20%
4791	R1610N-8A1-B205-0H03		PCB Mounting Carbon Potentiometer With Switch	1/4W	2MΩ	±20%
32737	R1610N-8A1-B254-0H03	HT	PCB Mounting Carbon Potentiometer With Switch	1/4W	250KΩ	±20%
2070	R1610N-8A1-B303-0H03		PCB Mounting Carbon Potentiometer	1/4W	30KΩ	±20%
29320	R1610N-8A1-B501-0H03	HT	PCB Mounting Carbon Potentiometer With Switch	1/4W	500Ω	±20%
38098	R1610N-8A1-B502-0H03	HT	PCB Mounting Carbon Potentiometer With Switch	1/4W	5KΩ	±20%
38097	R1610N-8A1-B503-0H03	HT	PCB Mounting Carbon Potentiometer With Switch	1/4W	50KΩ	±20%
10656	R1610N-8A1-B504-0H03		PCB Mounting Carbon Potentiometer With Switch	1/4W	500KΩ	±20%



MECHANICAL CHARACTERISTICS	
Total rotational angle	300° ± 5°
Rotational torque	2~20mN. m (20~200gf. cm)
Rotation stopper strength	0.7 N. m (7kgf. cm)
Push pull strength	70N (7kgf)
Click position	Center, 11/21/31/41 detent



DURABILITY	
Rotational life	15,000 cycles



ELECTRICAL CHARACTERISTICS	
Total resistance	5KΩ~2MΩ
Total resistance tolerance	±20° (more than 1MΩ ±30%)
Rated power	Curve B: 0.125W other than B: 0.06W
Max. operating voltage	Curve B: 200V other than B: 150V
Resistance taper	A, B, C, D
Residual resistance	R≥250KΩ 0.1% max. of total resistance 250KΩ>R>10KΩ 20Ω max. 10KΩ≥R 10Ωmax.
Insulation resistance	More than 100MΩ at DC500V
Gang error	-40~0 dB≤3dB (Specialy: -60~0 dB≤1.5dB)

Part No.	Product No.	Manufacturer	Description	Power rating (W)
29331	R1640G-8A1-B501	HT	Rotary Potentiometers	1/4W



ELECTRICAL CHARACTERISTICS	
Total resistance	10KΩ~1MΩ
Total resistance tolerance	±20% (more than 1MΩ ±30%)
Rated power	Curve B: 0.5W other than B: 0.25W
Max. operating voltage	Curve B: 500V other than B: 250V
Resistance taper	A, B
Residual resistance	R≥250KΩ 0.1% max. of total resistance 250KΩ>R>10KΩ 20Ω max. 10KΩ≥R 10Ωmax.
Insulation resistance	More than 100MΩ at DC500V
Withstand voltage	1 minute at AC 500V
Switch contact resistance	Less than 30MΩ



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