

CONDUCTIVE PLASTIC SINGLE TURN TYPE

CRV16 series

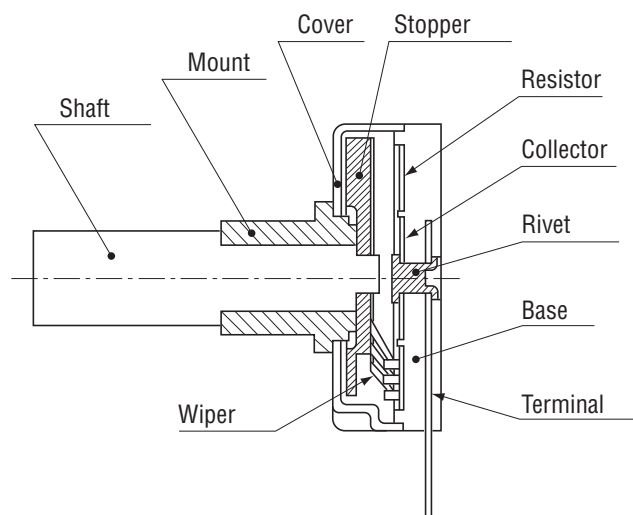
RoHS compliant



FEATURES

- Long life
- Cost effective
- High linearity through precision wire winding
- RoHS compliant

Basic construction Conductive plastic single turn type



PART NUMBER DESIGNATION

CRV16 - 00 - 102

Series name

Nominal resistance value (Ω)

102 : 1 k 202 : 2 k
502 : 5 k 103 : 10 k

LIST OF PART NUMBERS

Nominal resistance value	Part number
1 kΩ	CRV16-00-102
2 kΩ	CRV16-00-202
5 kΩ	CRV16-00-502
10 kΩ	CRV16-00-103

STANDARD SPECIFICATIONS

Electrical characteristics

Nominal resistance value	1 k Ω , 2 k Ω , 5 k Ω , 10 k Ω
Resistance tolerance	% ± 20
Resolution	Essentially infinite
Independent linearity	% ± 1
Effective electrical angle	$220^\circ \pm 10^\circ$
Power rating (at 40 $^\circ\text{C}$)	W 0.25
Dielectric strength	500, 1min
Insulation resistance M Ω minimum	50 (at DC 500 V)
Temp. coefficient of resistance ppm/ $^\circ\text{C}$	± 400
Output smoothness	0.5 % maximum

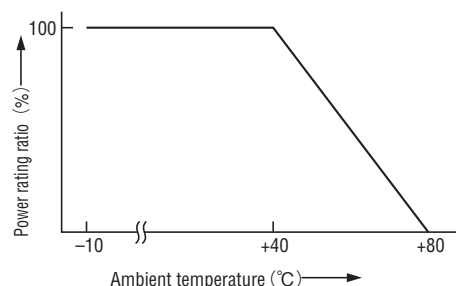
Mechanical characteristics

Mechanical angle	$260^\circ \pm 5^\circ$
Rotational torque	mN·m {gf·cm} maximum 3.92 {40}
Stop strength	N·m {kgf·cm} minimum 0.196 {2}
Rotational life (cycles)	500 thousand cycles

Environmental characteristics

Operating temp. range	$^\circ\text{C}$ $-10 \sim 80$
Net weight	g Approx.5
Protection grade	IP20

RATED POWER DERATING CURVE



OUTLINE DIMENSIONS

Unless otherwise specified tolerance : ± 0.5 (Unit : mm)

