





Preset Potentiometers

Cermet and Carbon

	Cermet, 10 mm	Carbon, 10 mm	
			
Series	EMP 10	ECP 10	OCP 10
Overall dimensions	10 x 12 mm	10 x 12 mm	10 x 12 mm
Technology	metal-glaze resistive layer on a ceramic base	carbon resistive layer on a phenolic paper base	
Mounting options	vertical horizontal	vertical horizontal	vertical horizontal
Features	enclosed type double-finger wiper insulated cross or hexagonal slot (for automatic adjustment) straight or snap-in pins rail packaging for automatic insertion available	enclosed type double-finger wiper insulated cross or hexagonal slot (for automatic adjustment) straight or snap-in pins rail packaging for automatic insertion available	open type double-finger wiper longitudinal slot straight or snap-in pins
Resistance range	47 Ω - 10 M Ω preferred : E3-series (10-22-47) additional : E6-series (15-33-68)	100 Ω - 4.7 M Ω E3-series (10-22-47)	47 Ω - 4.7 M Ω E3-series(10-22-47)
Tolerance	$\pm 20\%$, $\pm 10\%$	$\pm 20\%$, $\pm 10\%$	$\pm 20\%$
Maximum dissipation	0.5 W / 70 °C	0.1 W / 40 °C 0.05 W / 70 °C	0.1 W / 40 °C 0.05 W / 70 °C
Total mechanical angle of rotation	300° \pm 5°	300° \pm 5°	260° \pm 5°
Temperature coefficient	$\pm 200 \times 10^{-6}/K$ ($\leq 100 \Omega$) $\pm 50 \times 10^{-6}/K$ ($> 100 \Omega$ to $< 1 M\Omega$) $\pm 100 \times 10^{-6}/K$ ($\geq 1 M\Omega$)	$\pm 300 \times 10^{-6}/K$ (1 k Ω - 2.2 M Ω)	- 500 to $+ 300 \times 10^{-6}/K$
Climatic category	55/125/56	25/085/10	25/070/21
Remarks	for ordering information preferred types see page 145	for ordering information preferred types see page 146	
	 preferred		