

Trimming Potentiometers

Carbon and Cermet

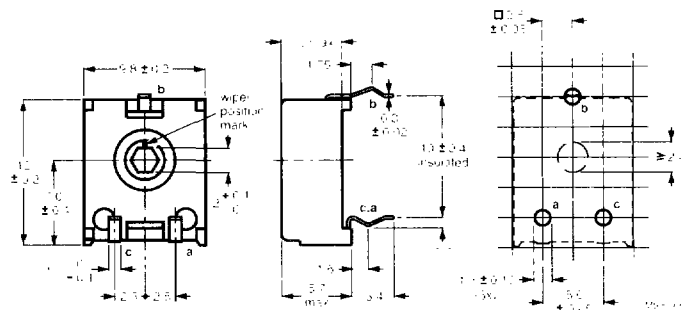
Carbon, 10 mm		Cermet, 10 mm	
			
Series	ECP 10	OCP 10	EMP 10
Overall dimensions	10 x 12 mm	10 x 12 mm	10 x 12 mm
Technology	carbon resistive layer on a phenolic paper base		metal-glaze resistive layer on a ceramic base
Mounting options	vertical	vertical	vertical
	horizontal	horizontal	horizontal
Features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

Carbon, 10 mm

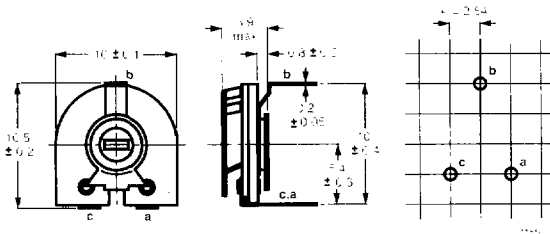
ECP 10, linear, 20% tolerance

The technical drawings include:

- Top View:** Shows a square package with dimensions 9.5 ± 0.1 mm for the width and 10 ± 0.2 mm for the height. It features a central circular pad with a cross symbol, four pins labeled 'c', 'b', 'a' from left to right, and two additional pins at the bottom. A note indicates 'AT801 position mark'.
- Side View:** Shows the profile of the package with a total height of 6.5 ± 0.05 mm. The base has a thickness of 0.5 ± 0.05 mm. Pin heights are specified as 0.5 ± 0.05 mm for pins 'b' and 'c', and 0.4 ± 0.05 mm for pin 'a'. The overall width is 9.5 ± 0.1 mm.
- PIN GRID PATTERN:** A detailed view of the pin arrangement on a 2.5 ± 0.05 mm pitch. It shows three pins labeled 'a', 'b', and 'c' with their respective positions relative to the grid.



OCP 10, linear, 20% tolerance



Cermet, 10 mm (see reference page 122)

EMP 10, linear

Catalog number 2322 484

[illegible]

Preferred packing: 1000 pcs in cardboard box