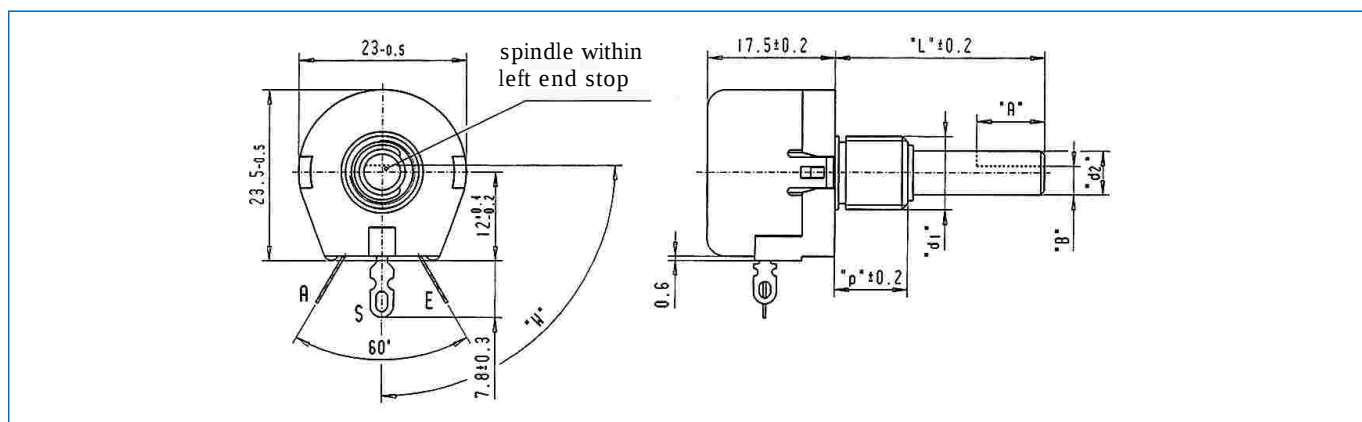
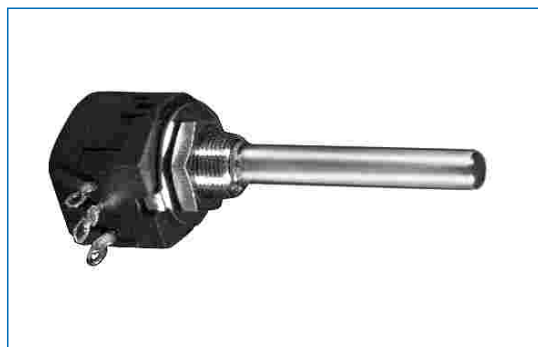


Series ABW 1

Ordering code no.: 31 096

Type ABW 1

Basic design: encased, nominal width 23 mm, solder tag terminals



Technical data

Rated resistance range:	5 Ω - 22 k Ω
Resistance tolerance:	$\pm 10\%$ (< 10 Ω $\pm 20\%$) on request $\pm 5\%$
Law (resistance taper):	lin (lg on request)
Independent linearity:	$\pm 2\%$ (on request $\pm 1\%$)
Rated dissipation:	1 W / 40 $^\circ\text{C}$
Limiting element voltage:	300 V
Isolation voltage:	1 kV ~
Temperature range:	- 40 $^\circ\text{C}$ to + 90 $^\circ\text{C}$
Temperature coefficient:	see table page 84
Insulation resistance:	1 G Ω
Electrical travel:	$265^\circ \pm 5^\circ$
Mechanical travel:	$285^\circ \pm 5^\circ$ on request $270^\circ \pm 5^\circ$
Operating torque:	0,8 - 3 Ncm
End stop torque:	100 Ncm
Durability:	10 000 cycles

Spindles

- Metal or plastic moulded (see table)
- End of spindle according to customer specification (length, flat)

l (mm)	p (mm)	d ₂ (mm)	d ₁
standard 50	10, on request 5	6	M10 x 0,75