

ELECTRICAL SPECIFICATIONS

Theoretical electrical travel (TET = E)	from 25 mm to 1000 mm in increments of 25 mm
Independent linearity over (TET) on request	$\leq \pm 1 \%$; $\leq \pm 0,1 \%$ $\leq \pm 0,05 \%$ for $E \geq 100$ mm $\leq \pm 0,025 \%$ for $E \geq 200$ mm
Actual electrical travel (AET)	see table 1
Ohmic value	from 150 Ω /cm to 2 k Ω /cm
Resistance tolerance at 20°C	$\pm 20 \%$
Repeatability	$\leq 0,01 \%$
Maximum power rating	0,04 W/cm at 40°C 0 W at 85°C
Wiper current	recommended : a few μ A 1 mA max. continuous
Load resistance	minimum $10^3 \times R_T$
Insulation resistance	$\geq 1000 M\Omega$ 500 V _{DC}
Dielectric strength	≥ 750 V RMS 50 Hz

MECHANICAL SPECIFICATIONS

Support of element on request	fiberglass epoxy plastic moulding
Wiper (non insulated) on request	precious metal multifinger insulated
Terminals on request	soldering pads by wires

PERFORMANCES

Operating life	100 millions cycles typical
Temperature range on request	-30°C +85°C +150°C
Speed (m/s)	10 max.

ORDERING PROCEDURE

