

Size	09			
Model	78 RS	78 RB	78 PS	78 PB

ELECTRICAL CHARACTERISTICS

Theoretical electrical angle (TEA)	AEA - 3°			
Independent linearity (over TEA)	A $\leq \pm 1\%$, on request: B $\leq \pm 0.5\%$, C $\leq \pm 0,35\%$		A $\leq \pm 2\%$	
Actual electrical angle (AEA)	340° $\pm 5^\circ$			
Ohmic values (R_T)	1 - 2 - 5 - 10 k Ω , on request other values		1 - 2 - 5 - 10 k Ω	
Ohmic value tolerances at 20°C	$\pm 20\%$, on request $\pm 10\%$		$\pm 20\%$	
Output smoothness	0.1%			
Maximum power rating at 70°C	1 W			
Wiper current	recommended: a few μA - 1 mA max. (continuous)			
Tap (current or voltage)	1: on request		NA	
Resistance load on wiper	$\geq 1.000 \times R_T$			
End voltage	0,5%			
Insulation resistance	$\geq 1000 M\Omega$, 500 V DC			
Dielectric strength	≥ 500 V RMS, 50 Hz			

MECHANICAL CHARACTERISTICS

Mechanical angle (MA)	360° continuous			
	on request: stops			
	342° $\pm 5^\circ$			
Mounting type	servo	bushing	servo	bushing
Shaft guiding	sleeve bearings			
Shaft	stainless steel			
Option: Flat or screw driver slot on shaft	on request		NA	
Termination	turrets			
Wiper	precious metal multi-finger contact			
Starting torque (N.cm)	$\leq 0,5$			
Torque on stops (N.cm)	≥ 20			
Weight (g)	bushing 17 g ± 3 g		servo 12 g ± 3 g	

PERFORMANCES

Life (10 ⁶ cycles)	10	3
Temperature range	-55°C, +125°C	
Climatic category	55 / 125 / 04	
Speed rotation (RPM)	150	
Sine vibrations on 3 axes	15 g from 10 Hz to 2000 Hz	
Mechanical shocks on 3 axes	50 g - 11 ms - half sine	