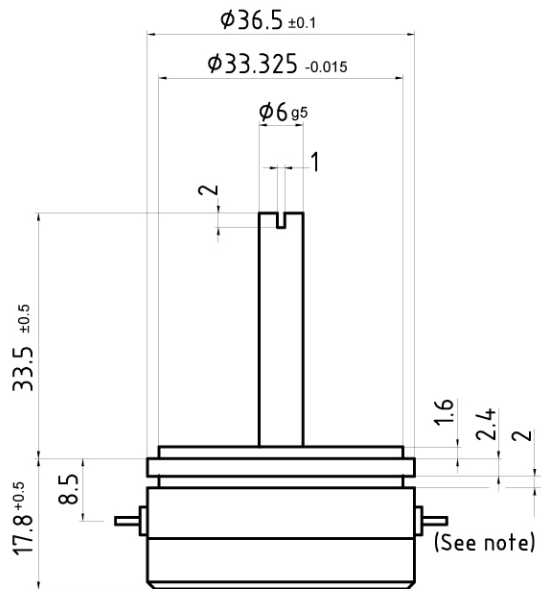


Schematic view
on the shaft

SPECIFICATIONS POTENTIOMETER P4504

Make:	Novotechnik
Type:	P4504-s0060
Part no:	54000019

MECHANICAL DATA

Mounting:	servomount with 3 clamps (included)
Mechanical travel:	360° continuous
Permitted shaft load (axial and radial) static or dynamic force:	45 N
Torque:	$\leq 0,1$ Ncm
Maximum operational speed:	10000 rpm
Weight:	45 g

ELECTRICAL DATA

Actual electrical travel:	350° ($\pm 2^\circ$)
Total resistance value:	2K0hm ($\pm 20\%$)
Repeatability:	0.002% (0.007°)
Independent linearity:	$\pm 0,075\%$
Max. permissible applied voltage	42 V
Center tap position:	$\pm 1\%$ ($\pm 1,75^\circ$) (See note)
Recommended operating wiper current:	$< 1\mu\text{A}$
Maximum wiper current in case of malfunction:	10mA
Insulation resistance (500VDC, 1bar, 2s):	$\geq 10\text{M}\Omega$
Dielectric strenght (50Hz, 500VAC, 1bar, 2s):	$\leq 100\mu\text{A}$

ENVIRONMENTAL DATA

Operating temperature range:	-40°C/+100°C
Vibration:	5-2000Hz Amax = 0,75mm amax = 20g
Shock:	50g 11ms
Life:	$> 100 \times 10^6$ rev.
Protection class:	IP40