

ELECTRICAL

RESISTANCE RANGE	-----	1K, 2K, 5K, 10K OHMS
RESISTANCE TOLERANCE	-----	± 5%
INDEPENDENT LINEARITY	-----	±0.25% <5K, ±0.15% ≥ 5K
POWER RATING	-----	2.0WATT
ELECTRICAL NOISE	-----	100 OHMS MAX.
ELECTRICAL ANGLE	-----	3600±5°
END RESISTANCE	-----	1 OHM OR 1% MAX.
RESOLUTION	-----	0.025(1K)
INSULATION RESISTANCE	-----	1000 MEGOHMS MIN,@ 500VDC
DIELECTRIC STRENGTH	-----	1 MINUTE AT 1000 VAC

MECHANICAL ANGLE	-----	3600°+10°/-0°
STOP STRENGTH	-----	APPROX. 0.35N.m
STARTING TORQUE	-----	WITHIN 10mN.m
ROTATIONAL LIFE	-----	1,000,000 REVOLUTIONS
WEIGHT	-----	APPROX. 20g

OPERATING TEMPERATURE	-55° TO +105°C
TEMPERATURE COEFFICIENT	±20 P.P.M./°C
VIBRATION	10HZ TO 2,000HZ 15G
MOISTURE RESISTANCE	40°C95%RH 120 HOURS
SHOCK	50G 11ms

HOUSING-----	HIGH TEMP. THERMO PLASTIC
TERMINALS-----	GOLD PLATED BRASS
BUSHING-----	BRASS
SHAFT -----	STAINLESS STEEL
RESISTIVE ELEMENT -----	WIREWOUND
INNER TEETH WASHER AND HEX NUT ARE ATTACHED.	
RECOMMENDED TIGHTENING TORQUE OF NUT BELOW 1.0Nm	

MULTI-GANGED UP TO 6 SECTIONS
 REAR SHAFT EXTENTION
 FRONT SHAFT MODIFICATIONS

WIREWOUND ELEMENT					TITLE	PART NO.	
DIMENSIONS (mm)	SCALE	DATE: 6-9-2025					
	NONE	BY AT					
ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.			APPRV'D		POTENTIOMETER	EM22HP-10N	
			CODE IDENT: 19477				