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REV.	BY	DATE	APPRVL.	P/N EM22HP-10N

SPECIFICATIONS

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

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

ENVIRONMENTAL

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

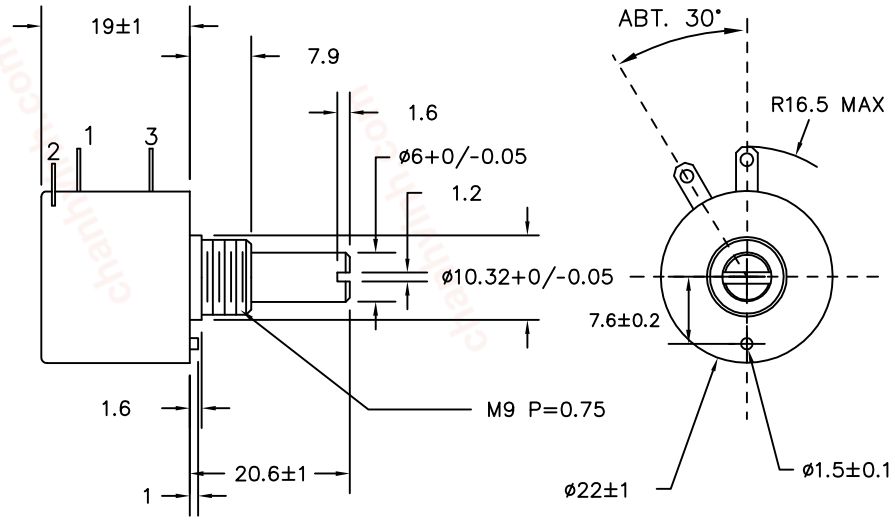
MATERIALS

HOUSING	HIGH TEMP. THERMO PLASTIC
TERMINALS	GOLD PLATED BRASS
BUSHING	BRASS
SHAFT	STAINLESS STEEL
RESISTIVE ELEMENT	WIREWOUND

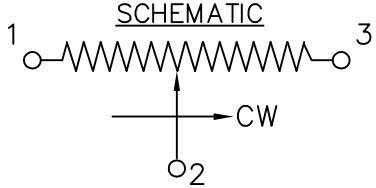
INNER TEETH WASHER AND HEX NUT ARE ATTACHED.
RECOMMENDED TIGHTENING TORQUE OF NUT BELOW 1.0Nm

NON−STANDARDS AVAILABLE

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



SCHEMATIC



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

chanhvinh.com