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REV.	BY	DATE	APPRVL.	P/N EM22HP-3N

SPECIFICATIONS

ELECTRICAL

RESISTANCE RANGE	1K, 2K, 5K, 10K OHMS
RESISTANCE TOLERANCE	± 5%
INDEPENDENT LINEARITY	±0.5%
POWER RATING	0.6 WATT
ELECTRICAL NOISE	100 OHMS MAX.
ELECTRICAL ANGLE	1080°±5°
END RESISTANCE	1 OHM OR 1% MAX.
RESOLUTION	0.056%(1K)
INSULATION RESISTANCE	1000 MEGOHMS MIN,@ 500VDC
DIELECTRIC STRENGTH	1 MINUTE AT 1000 VAC

MECHANICAL

MECHANICAL ANGLE	1080°+10°/−0°
STOP STRENGTH	APPROX. 0.35N.m
STARTING TORQUE	WITHIN 10mN.m
ROTATIONAL LIFE	300,000 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

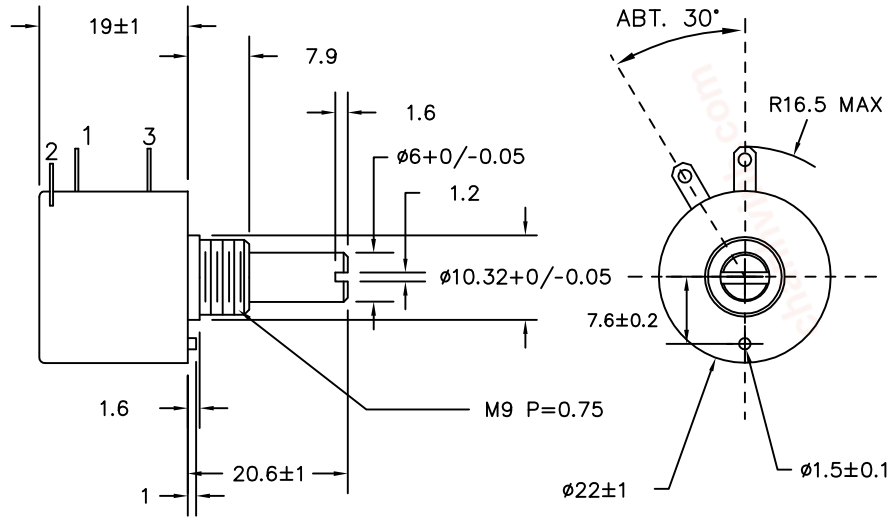
MATERIALS

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

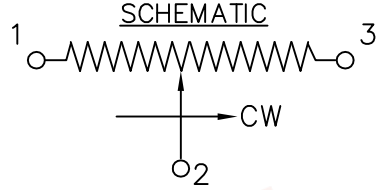
INNER TEETH WASHER AND HEX NUT ARE ATTACHED.
RECOMMENDED TIGHTENING TORQUE OF NUT BELOW 1.0Nm

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 CODE IDENT: 19477	ETI SYSTEMS CARLSBAD CALIFORNIA	TITLE MULTITURN POTENTIOMETER	PART NO. EM22HP−3N

chanhvinh.com