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REV.	BY	DATE	APPRVL.	P/N EH22HHP-10N

SPECIFICATIONS

ELECTRICAL

RESISTANCE RANGE	2K, 5K, 10K OHMS
RESISTANCE TOLERANCE	±10%
INDEPENDENT LINEARITY	±0.25%
POWER RATING	2.0WATT
OUTPUT SMOOTHMESS	0.015%
ELECTRICAL ANGLE	3600°±5°
END VOLTAGE	0.3% MAX
RESOLUTION	ESSENTIALLY INFIITE
INSULATION RESISTANCE	100 MEGOHMS MIN,@ 1000VDC
DIELECTRIC STRENGTH	1 MINUTE AT 1000 VAC

MECHANICAL

MECHANICAL ANGLE	3600°+10°/−0°
STOP STRENGTH	APPROX. 0.35N.m
STARTING TORQUE	WITHIN 5mN.m
ROTATIONAL LIFE	5 MILLION REVOLUTIONS
WEIGHT	APPROX. 20g

ENVIRONMENTAL

OPERATING TEMPERATURE	−55° TO +105°C
TEMPERATURE COEFFICIENT	±100 p.p.m./°C
VIBRATION	10Hz TO 2,000Hz 15G
MOISTURE RESISTANCE	40°C95%RH 120 HOURS
SHOCK	50G 11mS

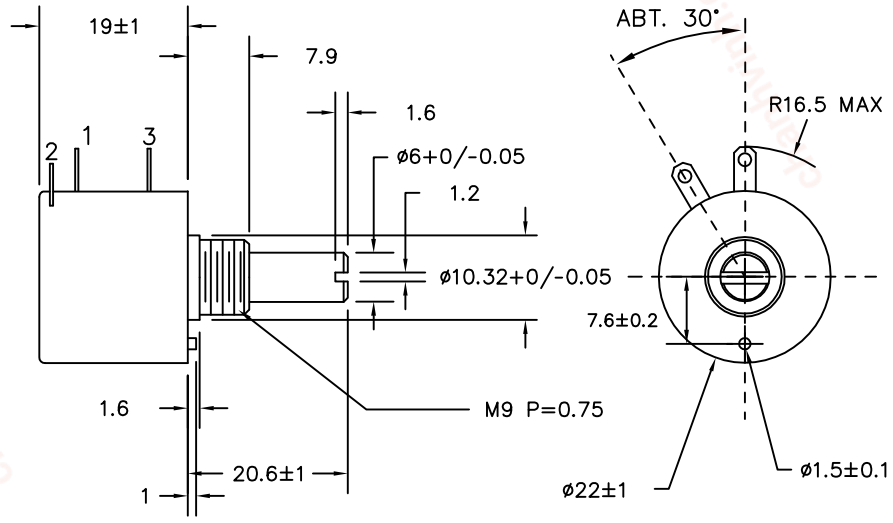
MATERIALS

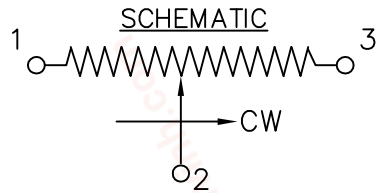
HOUSING	HIGH TEMP. THERMO PLASTIC
TERMINALS	GOLD PLATED BRASS
BUSHING	BRASS
SHAFT	STAINLESS STEEL
RESISTIVE ELEMENT	HYBRID

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





HYBRID ELEMENT

DIMENSIONS (mm)

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

SCALE	DATE:	6−9−2025
NONE	BY	AT
	APPRV'D	
CODE IDENT: 19477		

ETI SYSTEMS
CARLSBAD
CALIFORNIA

TITLE
MULTITURN
POTENTIOMETER

PART NO.
EH22HHP−10N

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