

■ Single-Turn/Cermet/Industrial/Sealed

CE20STPM Series Round Rotary Potentiometer



Electrical Characteristics

Standard Resistance Range

..... 100 to 5 megohms
(see standard resistance table)

Resistance Tolerance

..... $\pm 10\%$
(tighter tolerance available)

Absolute Minimum Resistance

..... 1% or 10 ohms max.
(whichever is greater)

Contact Resistance Variation

..... 5% or 5 ohms max.
(whichever is greater)

Adjustability

..... Voltage $\pm 0.05\%$
..... Resistance $\pm 0.15\%$

Resolution

..... Infinite

Insulation Resistance

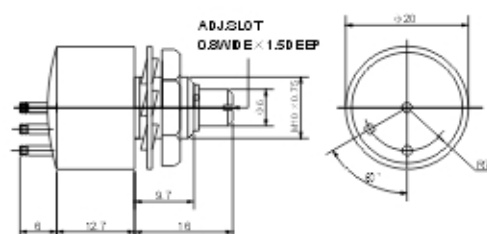
..... 500 Vdc 1,000 megohms min.

Dielectric Strength

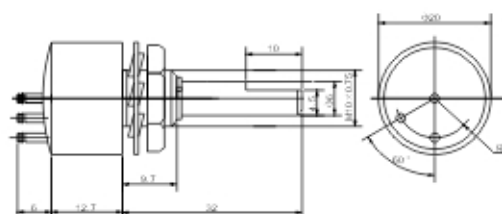
..... 101.3kPa 500 Vac 8.5 kPa 500 Vac

Adjustment Angle

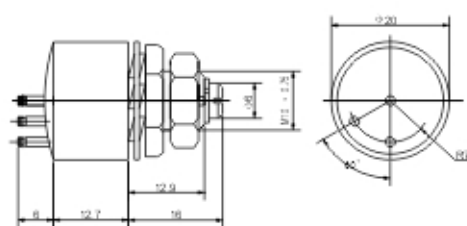
..... 225° nom.



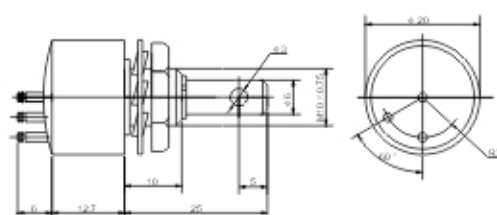
CE20S TPM-1-16



CE20S TPM-1-32



CE20S TPM-2



CE20STPM-3

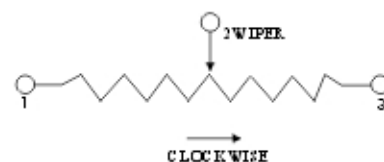
How to order

CE20STPM-1-16-102

Model

Style

Resistance Code



Standard Resistance Table

Resistance (Ohms)	Resistance Code
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
25,000	253
50,000	503
100,000	104
200,000	204
250,000	254
500,000	504
1,000,000	105
2,000,000	205
5,000,000	505

Special resistance available
TCR of shaded areas as $\pm 250\text{ppm}/^\circ\text{C}$

Detail Specification: Q/RYS14—2003

Environmental Characteristics

Power Rating (500 volts max.)

..... 1.5 watt (70°C), 0 watt (125°C)

Temperature Range

..... -55°C to $+125^\circ\text{C}$

Temperature Coefficient

..... $\pm 100\text{ppm}/^\circ\text{C}$

Vibration

..... 98 m/s^2
(2% Δ TR; 2% Δ VR)

Shock

..... 390 m/s^2
(2% Δ TR; 2% Δ VR)

Load Life

..... 1,000 hours 1.5 watt @ 70°C
(10% Δ TR; 6% or 6 ohms,
Whichever is greater, CRV)

Rotational Life

..... 10,000 cycles
(10% Δ TR; 6% or 6 ohms,
Whichever is greater, CRV)

Physical Characteristics

Mechanical Angle

..... 260° nom.

Torque

..... 50 mN $\cdot$ m max.

Stop Strength

..... 350 mN $\cdot$ m min.