

Type CM10 Series

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The Cermet sister to the CB10, this low price, enclosed cermet potentiometer offers excellent long-term stability at a sensible price.

Tyco Electronics can offer hexagon centres for a wide variety of plug-in spindles, accessories and other custom made parts.

The Tyco CM10 is normally selected when professional equipment requires high reliability and stable potentiometers for setting precise voltages.

Key Features

- Robust Enclosed Construction
- Spindle Adjust Versions
- Flame Retardant
- Arrow Position Indicator
- Top, Bottom and Side Adjust Styles
- Stable in High Humidity
- Edgewheel Operation Style

Characteristics - Electrical

Resistance Range:	100R to 10M
Resistance Values:	1, 2.2 & 4.7 in each decade
Resistance Tolerance:	± 20% (± 10% available to order)
End Resistance:	2 ohms or 2% whichever is greater
Power Rating @ 40°C:	0.5 Watts (derating to zero at 100°C)
Maximum Voltage:	250V DC
Rotational Noise (CRV):	<3% of Rn nominal or 3 ohms (whichever is the greater)
Temperature Coefficient:	±200 ppm/°C < 100K ohms
Slider Current:	50mA
Resolution:	Essentially Infinite
Electrical Adjustment:	240° Nominal 1 Turn

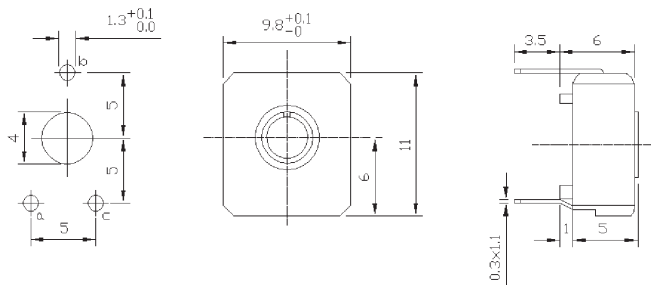
Characteristics - Mechanical

End Torque:	50 mNm maximum
Starting Torque:	4 to 20 mNm
Mechanical Adjustment:	295° nominal 1 Turn
Weight:	1.0 grams maximum

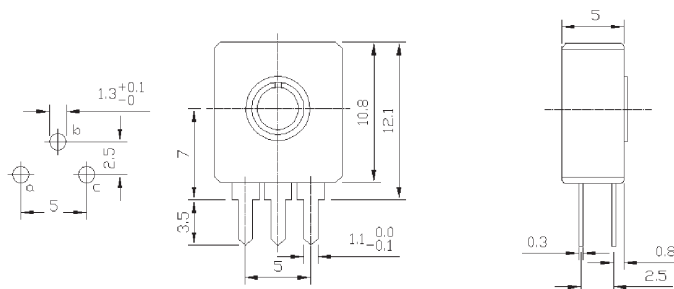
Characteristics - Environmental

Temperature Range:	-40°C to +90°C
Temperature Storage:	1000 hours at 100°C
Rotational Life:	200 cycles, minimum
Load Life at 40°C:	ΔR <10% after 1000 hours
Sealing:	Dust and Splash Proof
Climate Category:	40/90/21

Dimensions CM10V

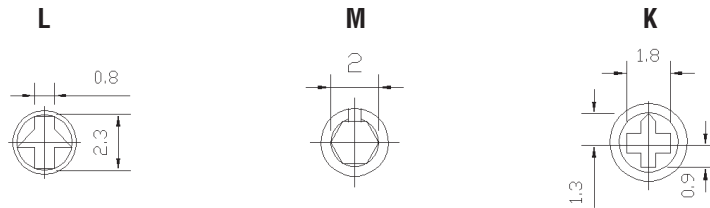


CM10H

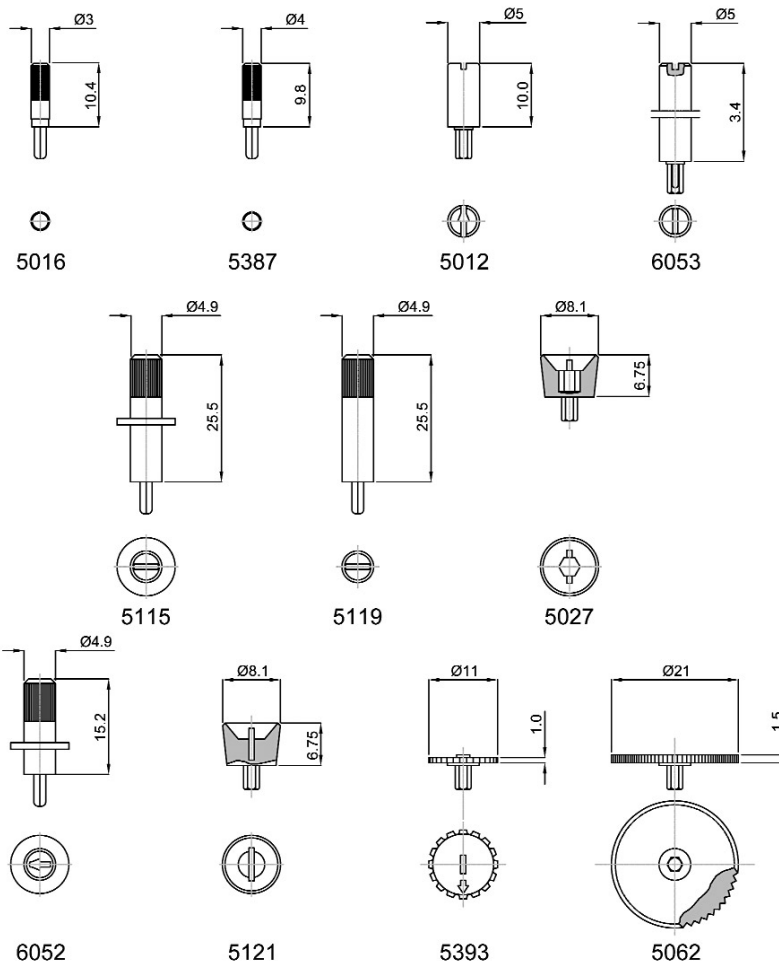


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Adjustment Styles



Plug-in Accessories



How to Order Accessories

Prefix the above numbers with CB10. i.e. CB105393

How to Order

Common Part	Adjustment Style	Orientation	Resistance Value	Tolerance	Features
CM10 - 10mm Cermet Trimmer	L - Arrow Head M - Hex Centre K - Cross Slot	H - Vertical to PCB V - Horizontal to PCB	The first two digits are significant figures of resistance value. The third digit denotes the number of zeros following. e.g. 100R: 101 1K0: 102 10K: 103 100K: 104	K - 10% (Special) M - 20% N - 30% (>1 Meg)	-- Standard E - Extended Life