



800-227-0075

<http://www.vimex.com>

Product Specification

Electrical

Standard Resistance Range	:	100 ohms to 5 megohms
Resistance Tolerance	:	±10 standard (<i>tighter tolerance available</i>)
Absolute Minimum Resistance	:	1% or 10 ohms max. (<i>whichever is greater</i>)
Contact Resistance Variation	:	5% or 5 ohms maximum (<i>whichever is greater</i>)
Adjustability	:	Voltage ±0.05% Resistance ±0.15%
Resolution	:	Infinite
Insulation Resistance	:	500VDC 1,000 megohms minimum
Dielectric Strength	:	101.3 kPa 800VAC or 8.5kPa 500VAC
Effective Travel	:	225° nominal

Environmental

Power Rating (<i>500 volts max</i>)	:	1.5 watts (70°C), 0 watts (125°C)
Temperature Range	:	-55°C ~ +125°C
Temperature Coefficient	:	±100ppm/°C or ±250ppm/°C (<i>see following table</i>)
Vibration	:	98m/s ² (2%ΔTR; 2%ΔVR)
Shock	:	390m/s ² (2%ΔTR; 2%ΔVR)
Load Life	:	1,000 hours 1.5 watt @ 70°C 10%ΔTR; 6% or 6 ohms (<i>whichever is greater, CRV</i>)
Rotational Life	:	10,000 cycles 10%ΔTR; 6% or 6 ohms (<i>whichever is greater, CRV</i>)

Physical

Mechanical Angle	:	260° nominal
Torque	:	50mN•m maximum
Mechanical Stop Strength	:	350mN•m minimum
Terminals	:	Solderable pins
Standard Package	:	Tray or poly bag

				Description:	General specifications for Sealed Cermet Single-turn control.
Page:	1	Date:	2005-01-20	P/N	CE20STPM
of:	2	Revision:	1.0		



800-227-0075

<http://www.vimex.com>

Product Specification

Standard Resistance & Temperature Coefficient	
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

Temperature coefficient of shaded areas $\pm 250\text{ppm}/^{\circ}\text{C}$

				Description:	General specifications for Sealed Cermet Single-turn control.
Page:	2	Date:	2005-01-20	P/N	CE20STPM
of:	2	Revision:	1.0		