



800-227-0075

http://www.vimex.com

Product Specification

Electrical

| | | |
|------------------------------|---|--|
| Standard Resistance Range | : | 10 ohms to 2 megohms |
| Resistance Tolerance | : | ±10 or ±20 standard (<i>tighter tolerance available</i>) |
| Absolute Minimum Resistance | : | 1% or 2 ohms max. (<i>whichever is greater</i>) |
| Contact Resistance Variation | : | 3% or 3 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 500VAC or 8.5kPa 315VAC |
| Effective Travel | : | 210° ±10° nominal |

Environmental

| | | |
|---------------------------------------|---|---|
| Power Rating (<i>250 volts max</i>) | : | 0.5 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 (3%ΔTR; 2%ΔVR) |
| Shock | : | 390m/s ² (3%ΔTR; 2%ΔVR) |
| Load Life | : | 1,000 hours 0.5 watt @ 70°C 3%ΔTR; 3% or 3 ohms (<i>whichever is greater, CRV</i>) |
| Rotational Life | : | 100 cycles 3%ΔTR; 3% or 3 ohms (<i>whichever is greater, CRV</i>) |

Physical

| | | |
|--------------------------|---|--------------------|
| Mechanical Angle | : | 250° ±10° nominal |
| Torque | : | 20mN•m maximum |
| Mechanical Stop Strength | : | 35mN•m minimum |
| Terminals | : | Solderable pins |
| Standard Package | : | 50 pieces per tube |

| | | | | | |
|-------|---|-----------|------------|---------------------|---|
| | | | | Description: | General specifications for Sealed Cermet Single-turn trimmer. |
| Page: | 1 | Date: | 2005-01-20 | P/N | CE6ST |
| of: | 2 | Revision: | 1.0 | | |



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| Standard Resistance & Temperature Coefficient | |
|---|-----------------|
| Resistance (Ohms) | Resistance Code |
| 10 | 100 |
| 20 | 200 |
| 50 | 500 |
| 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 |

Special resistance available

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

| | | | | | |
|-------|---|-----------|------------|--------------|---|
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