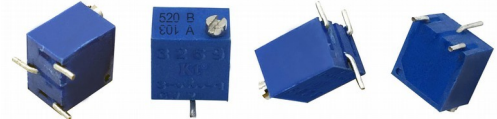


FEATURES

SMD Trimming Potentiometer

PICTURE



Electrical Characteristics

| | |
|------------------------------|---|
| Standard Resistance | 10Ω - 5MΩ |
| Resistance Tolerance | ±10% (100Ω ~ 1M) ; ±20% (R<100Ω, >1M) |
| Terminal Resistance | ≤±1%R or 2Ω (whichever is larger) |
| Contact Resistance Variation | (CRV)≤±3%R or 3Ω (whichever is larger) |
| Insulation Resistance | ≥1GΩ(100V AC) |
| Withstand Voltage | 600VAC |
| Effective Travel | 12 turns |

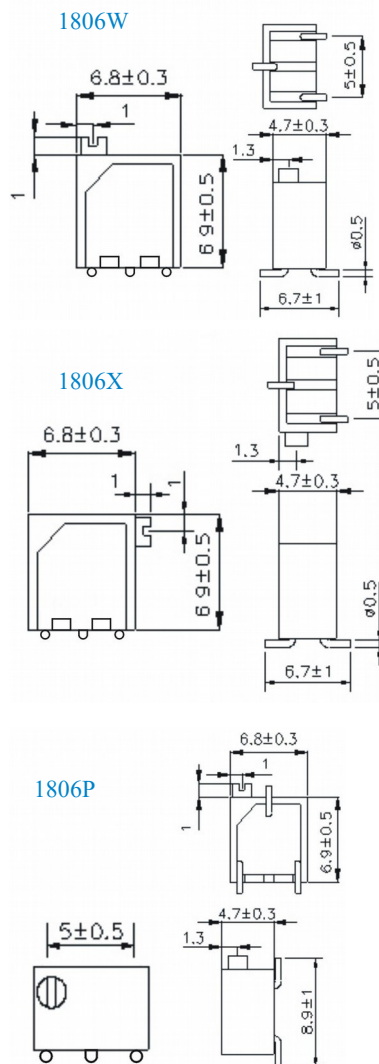
Environmental Characteristics

| | |
|--|-------------------------------------|
| Power Rating | 0.25W(70°C) 0W(125°C) |
| Temperature Range | -55°C ~ +125°C |
| Temperature Coefficient | ±250ppm/°C |
| Temperature Variation (-55°C/30min,+125°C/30min, 5 cycles) | ΔR≤2%R, ΔUab/Uac≤2%R |
| Vibration (10-500Hz, 0.75mm, 6h) | ΔR≤±1%R ΔUab/Uac≤±2%R |
| Collision (390m/s ² ,4000cycles) | ΔR≤±1%R |
| Climate Category (IEC68-2-2) | ΔR≤±(5%R+0.1 Ω) |
| Load Life (0.25W, 70°C) | ΔR≤±(5%R+0.1 Ω), CRV≤±3%R or 5 Ω |
| Rotational Life (200 cycles) | ΔR≤±(10%R+0.5Ω), CRV≤±3% or 5Ω |
| Steady Damp Heat (IEC68-2-3, Ca, 96h) | ΔR≤±(5%R+0.1 Ω) |

Physical Characteristics

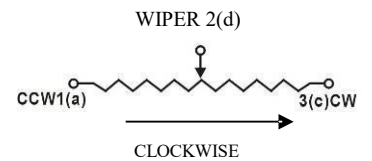
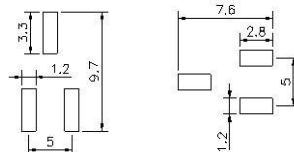
| | |
|--------------------|---|
| Starting Torque | ≤35mN·m |
| Standard Packaging | 1806W: 50pcs, per tube 1806X & P: 100pcs per bag |

Common Dimensions



RECOMMENDED
PCB LAYOUT- "P, X"

RECOMMENDED
PCB LAYOUT "W,"



Tolerance is ±0.25 if no identification

Resistance Table

| Resistance(Ohms) | Resistance Code |
|------------------|-----------------|
| 10 | 100 |
| 20 | 200 |
| 50 | 500 |
| 100 | 101 |
| 150 | 151 |
| 200 | 201 |
| 250 | 251 |
| 300 | 301 |
| 470 | 471 |
| 500 | 501 |
| 680 | 681 |
| 1,000 | 102 |
| 1,500 | 152 |
| 2,000 | 202 |
| 2,200 | 222 |
| 2,500 | 252 |
| 3,000 | 302 |
| 4,700 | 472 |
| 5,000 | 502 |
| 6,800 | 682 |
| 10,000 | 103 |
| 15,000 | 153 |
| 20,000 | 203 |
| 22,000 | 223 |
| 25,000 | 253 |
| 30,000 | 303 |
| 33,000 | 333 |
| 47,000 | 473 |
| 50,000 | 503 |
| 68,000 | 683 |
| 100,000 | 104 |
| 150,000 | 154 |
| 200,000 | 204 |
| 220,000 | 224 |
| 250,000 | 254 |
| 300,000 | 304 |
| 330,000 | 334 |
| 470,000 | 474 |
| 500,000 | 504 |
| 680,000 | 684 |
| 1,000,000 | 105 |
| 2,000,000 | 205 |
| 2,200,000 | 225 |
| 5,000,000 | 505 |

Note: Specifications are subject to change without notice.

Special resistances available.