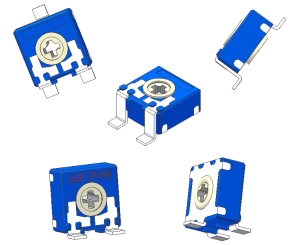




www.acptechnologies.com

POTENTIOMETER CA6 SMD

Surface Mount / 6mm Square / Single –Turn
Dustproof Type (IP5x)
Recommended for reflow processing
Carbon Composition
Special tapers available



ELECTRICAL CHARACTERISTICS

- Resistance law A (Lin), B (Log), C (Antilog)
- Range of resistance values A 100 Ω.....1MΩ
B,C > 1KΩ.....1MΩ
Others, on request
- Tolerances <1MΩ ± 25%
Others, on request
- Residual resistance A, B, C ≤ 5.10⁻³ Rn
Minimum value: 2Ω
- CRV (dynamic) ≤ 3 % Rn
- CRV (static) ≤ 5 % Rn
- Angle of rotation (electrical) 215° ± 20° (Others, on request)
- Maximum power at 40°C taper A: 0.10 W
tapers B, C: 0.06 W
- Maximum voltage taper A: 100V
tapers B, C: 60 V

MECHANICAL CHARACTERISTICS

- Angle of rotation (mechanical) 235° ± 10°
- Wiper torque 0.4.....2 Ncm
- Max. torque at end 5 Ncm
- Push and pull on the shaft 9.8 N

RELIABILITY CHARACTERISTICS

- Operating temperature -25... + 70 °C
Others, on request
- Temperature coefficient 200Ω - 100KΩ 200/-1.000 ppm
>100KΩ - 1MΩ 200/-1.000 ppm
- Electrical life (after 1000 hours, 40 °C) + 0 / -5%
- Damp heat (after 500 hours, 40 °C) ≤ 5 %
- Mechanical life (after 100 cycles) ≤ 3 %

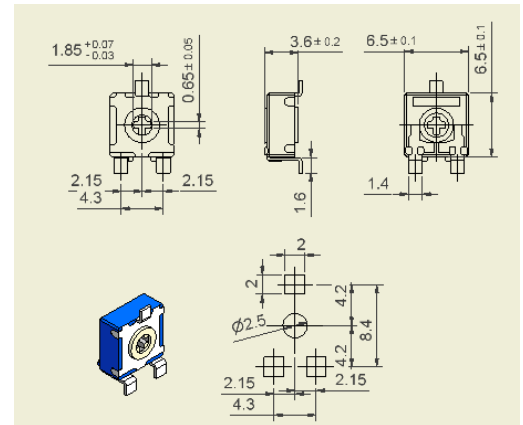
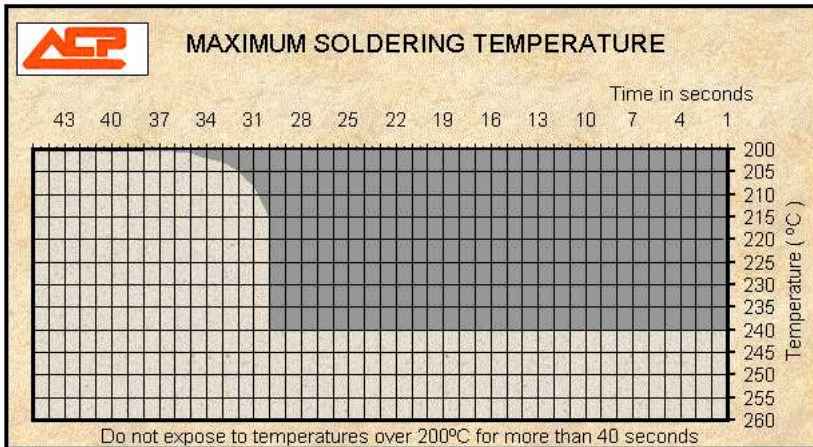
SOLDERING PROCESS Reflow soldering (see graph)

- In case of manual soldering, follow recommended conditions:
 - Soldering iron: 20W max.
 - Temperature of the iron tip: 280°C max.
- Dwell time: 3 seconds max.

PACKAGING

- Tape and Reel: Reel Ø: 330mm, Tape width: 24mm
(CA6VSM-D-T&R) Pieces per reel:
-without thumbwheel = 1200 (MOQ 4800, multiples of 1200)
-with thumbwheel "6030" = 750 (MOQ 5250, multiples of 750)
- Bulk: Min. Order Quantity: 5000pcs

-CA6V SMD-



-CA6H SMD-

