



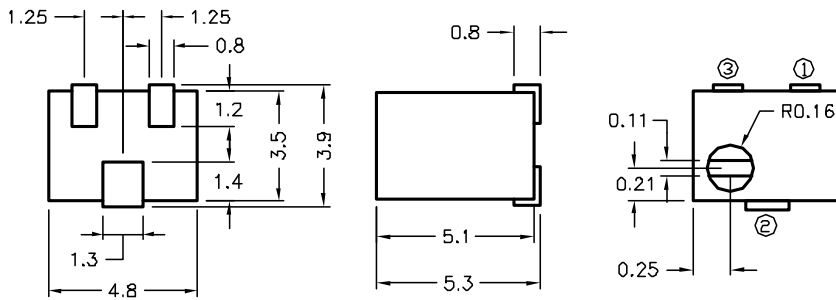
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SPC-F005.DWG

REVISIONS

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1992	A	Released	JVN	09/04/08	JWM	09/04/08	JWM	09/04/08

DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1308



Specifications

Electrical Characteristics

- Standard Resistance Range: 10 to 2 megohms
- Resistance Tolerance: $\pm 10\%$ std.
- Absolute Minimum Resistance: 1 Ω or 2 ohms max.
- Contact Resistance Variation: 3% or 3 ohms max.
- Resolution: Essentially Infinite
- Insulation Resistance: 500VDC, 1,000 megohms min.
- Dielectric Strength: 101.3 kPa 600VAC, 8.5kPa 250 VAC
- Effective Travel: 11 turns nom

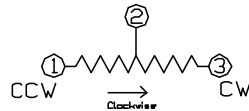
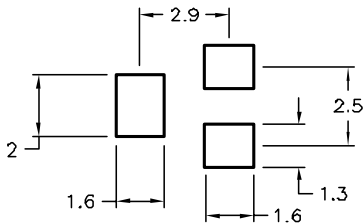
Environmental Characteristic

- Power Rating: (200 Volts max.)
0.25 Watt (70°C), 0 Watt (125°C)
- Temperature Range: -55°C to +125°C
- Temperature Coefficient: ± 100 ppm/°C
- Vibration: 98 m/s² (1% Δ TR; 1% Δ VR)
- Shock: 490 m/s² (1% Δ TR; 1% Δ VR)
- Load Life: 1,000 Hrs, 0.25 Watt @ 70°C
- Rotational Life: 200 Cycles
- Thermal Shock: 5 Cycles

Physical Characteristics

- Torque: 25mN-m max.
- Mechanical Stops: Wiper Idles
- Wiper: Set at 50% nominal

Recommended PCB Layout



Features:

- Surface Mount
- 4mm Square
- Multi-turn / Cermet
- Industrial / Sealed

Mfg. P/N	Resistance Ohms
MCSMD4-T-101-LF	100
MCSMD4-T-102-LF	1,000
MCSMD4-T-103-LF	10,000
MCSMD4-T-104-LF	100,000
MCSMD4-T-201-LF	200
MCSMD4-T-202-LF	2,000
MCSMD4-T-501-LF	500
MCSMD4-T-502-LF	5,000
MCSMD4-T-503-LF	50,000

DISCLAIMER:
ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.

TOLERANCES:

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	DATE:
Jason Nash	09/04/08
CHECKED BY:	DATE:
JWM	09/04/08
APPROVED BY:	DATE:
JWM	09/04/08

DRAWING TITLE:

4mm SMD Trimmer Potentiometer

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	Ta-934	Ta-934.dwg	A
SCALE: NTS	U.O.M.: INCHES [mm]	SHEET: 1 OF 1	