MEC CITEC

POTENTIOMETERS INDUCTORS, SMDs SWITCHES, NETWORKS ENCODERS POWER COMPONENTS





A range of tiny single turn trimmers suited to reflow soldering and attractively priced for volume application.

Alternative layouts in two and three terminal versions and low profile models (2.2mm) make this a very versatile product. All product is supplied on 12 mm tape and reeled on 178 mm diameter reels.

MEC CITEC KEY FEATURES

- STABLE CERMET ELEMENT
- 0.15 W POWER RATING
- PACKED IN 12mm STANDARD TAPE
- ATTRACTIVELY PRICED
- SUITED TO AUTOMATIC PLACEMENT
- RANGE OF TERMINAL LAYOUTS
- TEMP RANGE -25°C TO +85°C
- GOOD VACUUM PICK UP ON HEAD





SPECIFICATION

ELECTRICAL

Resistance Range: Resistance Tolerance: Power Rating: Max. Input Voltage: Max. Wiper Current: Electrical Angle, Nominal: End Resistance, Max: Contact Resistance Variation: Operating Temperature: Temp. Coefficient, of Resistance: Insulation Resistance, Min: 100R to 1M ± 25% 0.15%W @ 70°C derating to zero at 85°C 50 vdc or ac RMS max 50mA 270° ± 10° 5% 5% max -25°C to + 85°C ± 250 ppm/°C 100 M Ω (DC 250V)

DERATING CURVE



When the ambient temperature exceeds 70°C, reduce the rated power and current in accordance with the derating curve given.

MECHANICAL

Mechanical Angle: Operating Torque, Max: Solder Strength Min:

ENVIRONMENTAL

Humidity Exposure: High Temperature Exposure: Humidity Load Life: Load Life: Temperature Cycle: Effect of Soldering: Continuous 2.0-24.5 mNm 300 gF cm (3 directions)

Res. Change : \pm 3% Res. Change : \pm 3%

Res. Change : \pm 3%

Res. Change : ± 3%

Res. Change : ± 3%

Res. Change : \pm 10% (10 cycle)

ALTERNATIVE STYLES



DIMENSIONS

All dimensions are nominal and in 'mm' unless otherwise stated. Do not scale.



PACKAGING (TAPE)



PACKAGING (REEL)



18.0

W2

30

Ю

W

13.5

SUBSTRATE LAYOUT



HOW TO ORDER



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APPLICATION NOTES



STORAGE

To prevent damage to the electrode, be sure to observe the following cautions for storage.

Store in 40°C maximum ambient temperature, and 70°C maximum ambient RH.
For maximum possible shelf life do not disturb polythene sleeve until you are ready to use

potentiometers.

• Store where there are no harmful gasses containing sulphur or chlorine.

All inquires should be directed to:

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