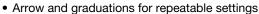


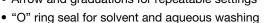
Vishay Spectrol



The Model 63 cermet trimmer is available in several pin configurations for top or side adjustment and with a choice of Knob styles for finger setting. Quick adjustment is achieved with multi-finger wiper and the standard resistance range is between 100 Ω and 2 M Ω with a tolerance of \pm 10 %.

FEATURES



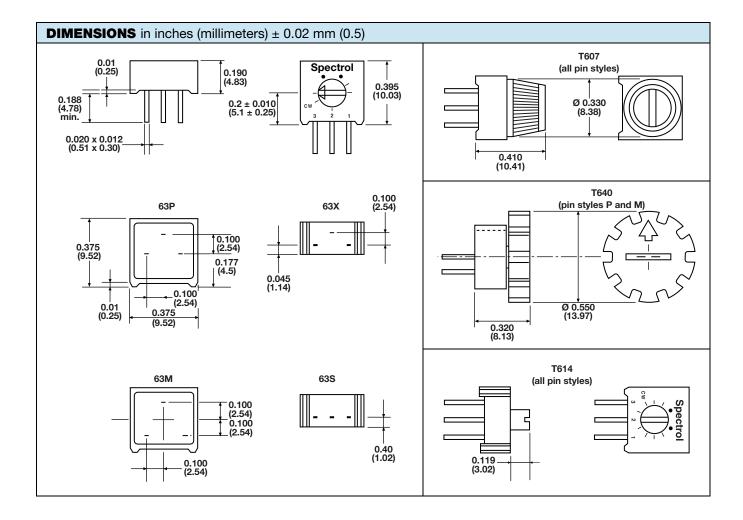




COMPLIANT

Rigid board mounting achieved with pins secured in housing

- Multi-finger wiper for better contact resistance
- · Solid end stop
- Tests according to CECC 41000 or IEC 60393-1
- Compliant to RoHS Directive 2002/95/EC





Vishay Spectrol

| ELECTRICAL SPECIFICATIONS | | | | | |
|---|---|--|--|--|--|
| Effective travel | 270° nominal | | | | |
| Resistance range | 100 Ω to 2 M Ω | | | | |
| Resistance tolerance | ± 10 % | | | | |
| End resistance | 2 Ω or 1 % whichever is greater | | | | |
| Temperature coefficient of resistance (typical) | ± 100 ppm/°C | | | | |
| Power rating | 0.5 W at + 70 °C derated linearly to 0 W at 125 °C maximum voltage not to exceed 250 V | | | | |
| Circuit diagram | $ \overset{a}{\underset{(1)}{\bigcirc}} - \bigvee \bigvee \bigvee \overset{c}{\underset{(2)}{\bigcirc}} \overset{c}{\underset{(3)}{\bigcirc}} $ | | | | |
| Dielectric withstand voltage | 1000 V _{AC} at sea level; 250 V _{AC} at 80 000 ft (24 000 m) | | | | |
| Insulation resistance (500 V _{DC}) | 1000 MΩ minimum | | | | |
| Contact resistance variation | 1 % or 1 Ω , whichever is greater | | | | |

| MECHANICAL SPECIFICATIONS | | | | | |
|--------------------------------------|-----------------------------|--|--|--|--|
| Mechanical travel | 300° ± 50 | | | | |
| Starting torque | 35 mNm max. | | | | |
| Veight 0.03 oz. (0.85 g) max. | | | | | |
| Resistance element | Cermet | | | | |
| 2 terminal adjustability | ± 0.15 % of RT | | | | |
| 3 terminal adjustability | ± 0.05 % of applied voltage | | | | |
| Terminals | Pure Sn (code e3) | | | | |

| ENVIRONMENTAL SPECIFICATIONS | | | | | |
|------------------------------|---------------------|--|--|--|--|
| Temperature range | - 55 °C to + 125 °C | | | | |
| Climatic category | 55/125/21 | | | | |
| Sealing | Fully sealed - IP67 | | | | |

| PERFORMANCES | | | | | | | | | |
|------------------------|---------------------------------------|-------------|----------------------------------|---------------|-----------------------|------------|--|--|--|
| TESTS | CONDITIONS | MAX. (R) | CHANGE PER CECC | | PER IEC | PER MIL | | | |
| | | | V _{AB} /V _{AC} | 41100 | PER IEC | PEN WILL | | | |
| Vibration | 98 m/s ² , 10 Hz to 500 Hz | 1 % | 2 % | (PARA 2.3.2) | Test FC (IEC 6-2-6) | Method 204 | | | |
| Electrical endurance | 1000 h | 3 % | - | (PARA 2.5.16) | = | No equiv. | | | |
| Soldering | - | - | - | (PARA 2.3.7) | Test TB (IEC 68-2-20) | Method 208 | | | |
| Resistance to heat | - | 1 % | - | (PARA 2.3.7) | Test B (IEC 68-2-20A) | Method 210 | | | |
| Damp heat steady state | 21 days | 3 % | - | (PARA 2.1) | Test C (IEC 68-2-3) | Method 103 | | | |
| Mechanical life | 200 cycles | 3 % | - | - | Method 2 | - | | | |
| Terminal strength | 2.2 lbs. (1 kg) | min. | - | - | - | - | | | |

MARKING

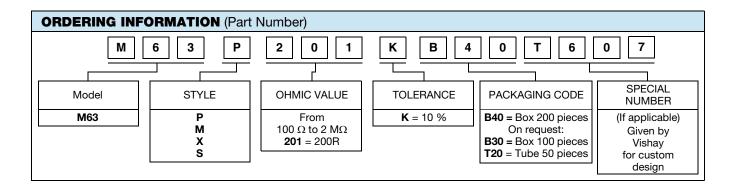
- Vishay trademark
- Model
- Resistance value
- Tolerance
- Date code
- Terminal identification

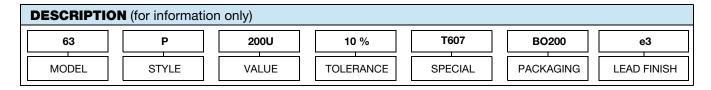


Vishay Spectrol

PACKAGING

- In box of 200 pieces code B40 (BO200)
- On request : In box of 100 pieces code B30 (BO100) In tube of 50 pieces code T20 (TU50)







Legal Disclaimer Notice

Vishay

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