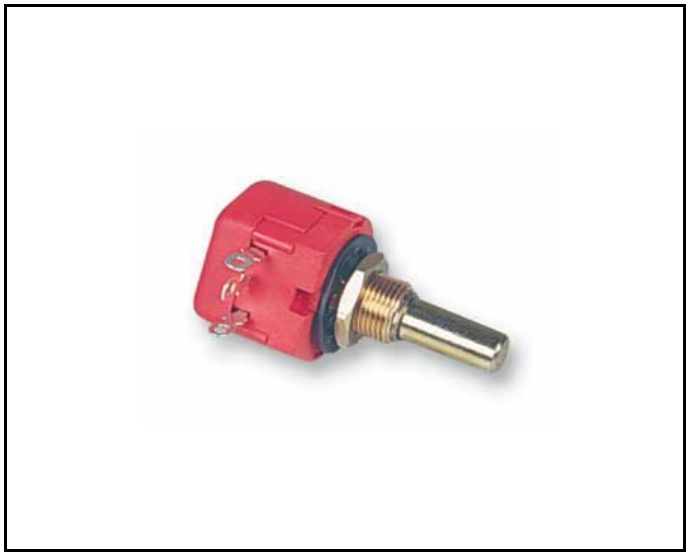
TYPE TW SERIES

6th January 2005
ISSUE 1

Wirewound Spindle Operated Potentiometer



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This high power wire wound potentiometer is a recent addition to the Tyco range. The TW series offers a range of shaft styles, 1 Watt power rating, low terminal resistance and excellent linearity. For a rugged high power control potentiometer at a very attractive price the TW Series will satisfy your requirements.

KEY FEATURES

- Wirewound Element
- Proven Reliability
- Excellent Linearity
- 1W Rating at 40ºC
- Robust Construction
- Range of Shaft Styles
- Custom Designs Possible

STOCKISTS:

This product is not stocked in distribution.

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ELECTRICAL

Resistance Range:	5R0 to 20K (Linear)
Resistance Values:	1, 2 & 5 in each decade
Resistance Tolerance:	10%
Linearity:	2% maximum
Rated Dissipation at 40°C:	1W
Maximum Working Voltage:	200V DC
Electrical Rotation:	265° ±5°
Terminal Resistance:	2 ohms
Maximum Wiper Current:	100mA
Insulation Resistance:	1000M Ohms at 500V DC
Voltage Proof:	1000V AC

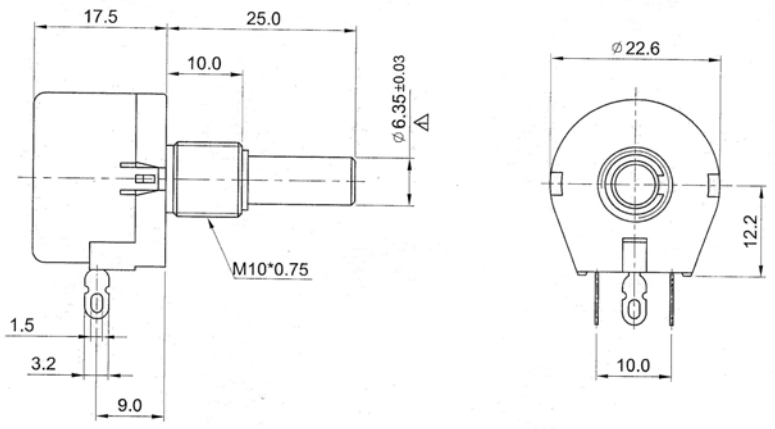
MECHANICAL

Shaft Torque:	3.5 – 100 mNm
Mechanical Rotation:	285° ±5°

ENVIRONMENTAL

Operating Temperature:	-55°C to +125°C
Temperature Coefficient:	100ppm/°C
Mechanical Endurance:	10,000 operations
Sealing:	Enclosed

DIMENSIONS



All Dimensions are
in mm and nominal.
Do Not Scale

HOW TO ORDER

TW	1	102		K	A
COMMON PART	**POWER DISSIPATION**	**RESISTANCE VALUE**		**TOLERANCE**	**SHAFT STYLE**
TW – Wirewound Potentiometer	1 – 1 Watt at 40°C	The first two digits are significant figures of resistance value. The third digit denotes the number of zeros following	Example 100R – 101 1K0 – 102 10K – 103 100K - 104	K - ±10%	A – 6.35 x 25mm Plain