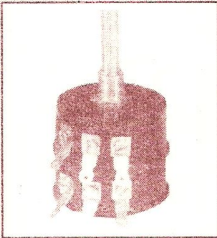




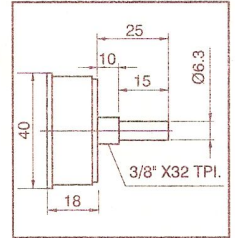
# Efficient Toroidal Coil Corporation

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## WIRE WOUND SINGLE TURN POTENTIOMETER TYPE ETC-3

### SPECIFICATION SHEET



### ELECTRICAL

Resistance Range	■ 10 ohm to 100k ohms
Resistance Law	■ Linear (Non linear possible)
Resistance Tolerance	■ ± 5% Standard, (Closer tolerance possible)
Independent Linearity	■ ± 5% Standard, (Closer tolerance possible)
Power Rating	■ 3 WATT at 40°C derated to 0 watts @100°C
Maximum Working Voltage	■ 250V
Dielectric Strength	■ 500V
Electrical Travel	■ 270° ± 5°
End Resistance	■ 0.5 ohms or 0.1% whichever greater.
Noise (ENR)	■ Less than 100 ohms.
Temperature Co-efficient	■ ± 40PPM/°C to ± 150PPM/°C
Temperature Range	■ -40°C to +100°C
Resolution	■ ± 0.05% to 2.2% Depending on resistance value.
Dual / Ganging	■ Up to 6 cups possible (Add 18mm each cup)

### MECHANICAL

Housing	■ Thermosetting bakelite body
Mechanical Angle	■ 285° ± 10° (360° possible)
Starting Torque	■ 70 Grams to 250 Grams/cm
End Stop Strength	■ More than 5 Kg.
Life Minimum	■ 25000 cycles to 1,00,000 cycles depending on resistance value.
Sealing	■ Non tropicalised standard tropicalised version confirming to DEF 5121-A available
Shaft Length	■ 25 mm from mounting face. (Other length possible)