



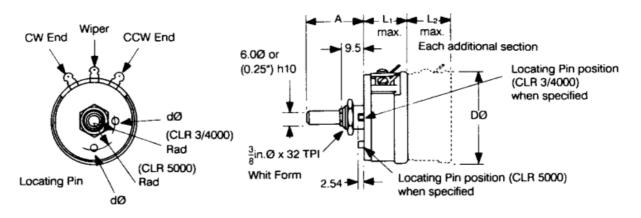
Datasheet

Wirewound Potentiometer CLR4000 Series with a 6.35 mm Dia. Shaft $500\Omega \pm 10\%$ 1.5W, Panel Mount

RS Stock 812-803



Dimensions: (mm)



RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.



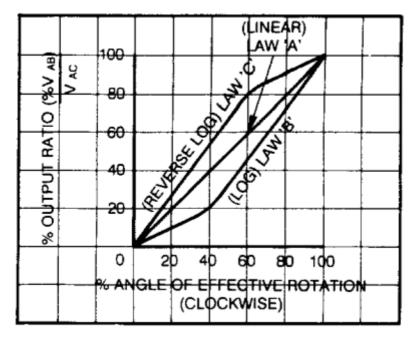
ENGLISH

Features

- Up to four sections can be ganged together on a common spindle.
- Phenolic body moulding; nickel silver contact; nickel plated brass spindle and bush; hot tin dipped brass tags.
- Selection Tolerance: + 10%
- Terminal Resistance: Maximum of 0.2 Ω or 0.01% (1 Ω or 0.1%: CLR 7000) f nominal resistance whichever is the greater
- Rational Noise: 100 Ω E.N.R maximum
- Temperature Characteristic of Resistance: + 0.75% (+20°C to + 70°C)
- Insulation Resistance: 1000M Ω minimum at 500v d.c
- Isolation Voltage: 1000V a.c peakLinearity: 1% typical, 2% maximum

Series 4000 Electrical Specification	
Power Rating @ 70°C Linear Law	1.5W
Angle of effective rotation	275° <u>+</u> 5°C
Total mechanical rotation	290° <u>+</u> 10°C
Limiting element voltage d.c or a.c . R.m.s	500V

Standard Resistance Laws



Alignment (Ganged Units)
Sections are aligned to within +
1% at reference point of zero
effective rotation



Mechanical Rotation

ENGLISH

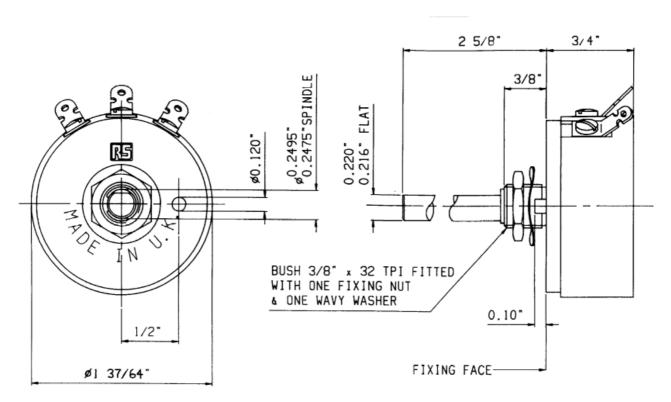
Starting Torque: 7 to 35mNmRotational Life: 20,000 cycles

No of Gangs (max): 4End Stop Torque: 1100Nm

Environmental Specification

• Vibration: 10 to 500Hz; 10g; Rac ≤ 1%

Bump: 4000 bumps; 390m/s2 , 40g; Rac ≤ 1%
 Load Life: 1000h at rated dissipation ; Rac ≤ 1%



SPINDLE FLAT SHOWN AT CENTRE OF ROTATION (50%)