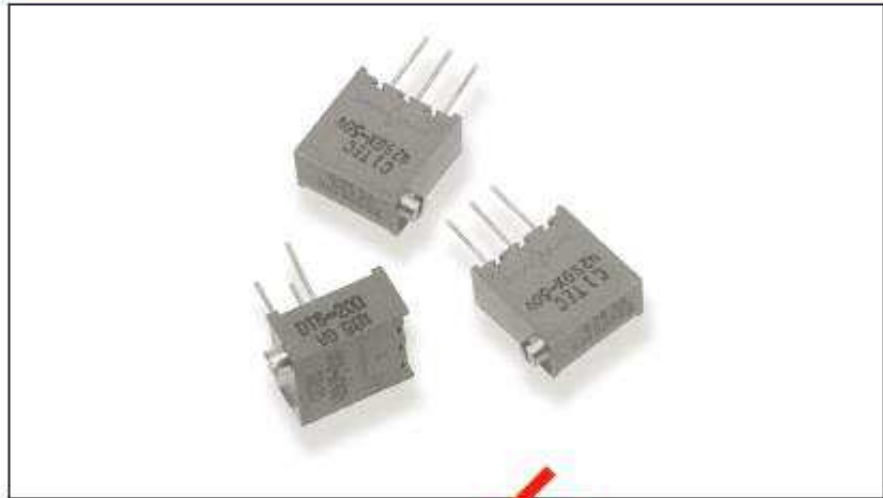


Type 4290 Series

Key Features

- High stability cermet element
- 0.5 Watt rating at 70°C
- Slim profile assists stacking
- Top & side adjustment styles available
- Flame retardant case



Where size and reliability are critical, this range of 6mm square multiturn trimming potentiometers satisfies the requirements in industrial and professional applications.

The cermet resistance element offers stability and high resolution. The trimmer is actuated by a lead screw with a slipping clutch at each end of travel. Top or side adjustment components are available and pin configurations meet the majority of requirements. All units are fully sealed to withstand immersion in board washing solvents.

Characteristics - Electrical

Resistance Range:	10R to 2M
Resistance Values:	2 and 5 in each decade
Resistance Tolerance:	± 10%
End Resistance:	2 ohms or 1% whichever is greater
Slider Current:	100 mA DC or AC, maximum
Power Rating:	0.5 Watts at 70°C derating to zero at 125°C
Isolation Voltage:	430 V DC or AC peak
Limit Element Voltage:	300 V DC or AC RMS, maximum
Breakdown Voltage:	900 V AC for one minute
Insulation Resistance:	1000 M at 500 V DC, minimum
Resolution:	Essentially infinite
Operational Noise (CRV):	3 Ohms or 1 %, whichever is greater
Temperature Coefficient:	± 250 ppm/°C, maximum
Electrical Adjustment:	25 turns

Characteristics - Mechanical

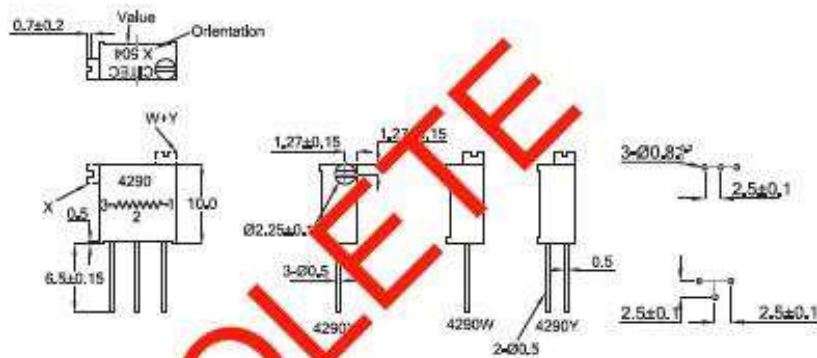
End Stop:	Slipping clutch both ends
Starting Torque:	35 mNm
Weight:	0.8 gram, approx.

Type 4290 Series

Characteristics - Environmental

Temperature Range:	-55°C to +125°C
Temperature Storage:	1000 Hrs at 125°C
Thermal Shock:	5 Cycles -55°C to +125°C
Bump Severity:	4000 Bumps; 40 G (3mm or 390m/s ²)
Vibration Severity:	10 - 500Hz; 20 G
Rotational Life:	200 Cycles
Load Life at 85°C:	ΔR <3% after 1000 hours
Sealing:	Sealed for board washing
Climatic Category:	55/125/21

Dimensions



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