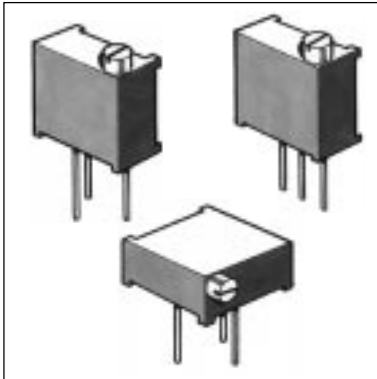


## 10mm square multiturn

### Key features



- stable high resolution cermet element
- slim profile assists stacking
- 0.5 watt rating at 70°C
- low tcr  $\pm 100\text{ppm}/^\circ\text{C}$  maximum
- top and side adjust versions available
- audible signal at clutch end
- fully sealed for board washing
- flame retardant case

### type 4290 series

Where size and reliability are critical, this range of 10mm square multiturn trimming potentiometers satisfies the requirements in industrial and professional applications. The cermet element offers stability and high resolution. The trimmer is actuated by a lead screw with a slipping clutch at each end of travel. End stops are marked by audible click. All units are fully sealed to withstand immersion in board washing solvents.

### Electrical

Resistance Range:	10R to 5M
Resistance Values:	1, 2, 5 in each decade
Resistance Tolerance:	$\pm 10\%$
Slider Current:	50mA
Power Rating:	0.2 Watts at 70°C Derating to zero at 100°C
Limiting Element Voltage:	100V DC or AC RMS maximum
Rotational Noise (CRV):	3 ohms or 3% whichever is greater
Temperature Coefficient:	$\pm 250\text{ppm}/^\circ\text{C}$
Electrical Adjustment:	22 Turns nominal

### Environmental

Temperature Range:	- 55°C to +125°C
Rotational Life:	200 cycles
Load Life at 70°C:	$\Delta R < 3\%$ after 1000 hours
Sealing:	Board Washing

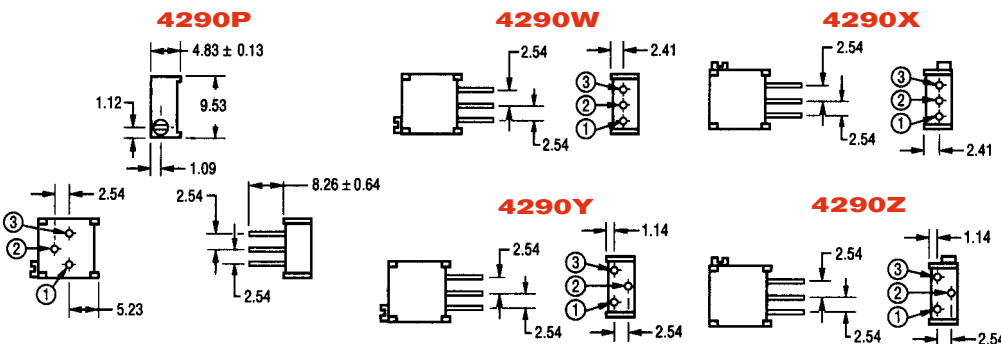
### Mechanical

End Stop:	Slipping Clutch action
Starting Torque:	30gfcM
Mechanical Adjustment:	25 Turns

### Specification

### PCB Trimmers

### Dimensions



### How to Order

Common Part	Pin Configuration	Resistance Value	Tolerance
4290	P - Low Profile W - Top Adjust X - Side Adjust Y - Top Adjust Z - Side Adjust	The first two digits are significant figures of resistance value and the third one denotes the number of zeros following  Example 1K :102 10K :103 100K :104	K - $\pm 10\%$

Please Request Full Data Sheet F0255