

Resistors & Potentiometers

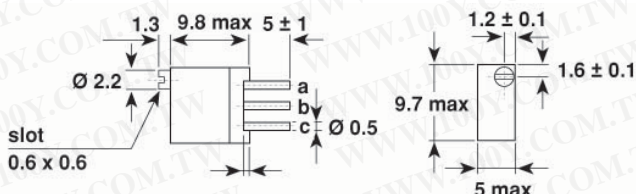
VISHAY_T93YA Multi-Turn Cermet Trimmers

Detailed product specifications are available on: us.100y.com.tw

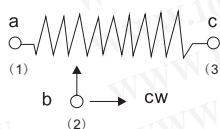


The T93 is a small size trimmer - 3/8" x 3/8" x 3/16" - answering PC board mounting requirements. Five versions are available which differ by the position of the control screw in relation to the PC board plane and by the spacing of the terminals. Excellent operational stability is provided by the use of a cermet element.

DIMENSIONS in millimeters



CIRCUIT DIAGRAM



FEATURES

- Industrial Grade
- 0.5 Watt at 70°C
- CECC 41 100
- MIL-R-22097
- Good stability
- Contact resistance variation < 1% typical
- Meet MIL-R-22097 specifications



ELECTRICAL SPECIFICATIONS		
Resistive Element		Cermet
Electrical Travel		19 turns ± 2
Resistance Range		10 to 2.2 MΩ
Standard Series E3		1 - 2.2 - 4.7 and 1 - 2 - 5
Tolerance	Standard	± 10%
	On Request	± 5%
Power Rating	Linear	0.5 W at + 85°C
	Logarithmic	not applicable
Temperature Coefficient		See Standard Resistance Element Data
Limiting Element Voltage (Linear Law)		250V
Contact Resistance Variation		2% Rn or 2Ω
End Resistance (Typical)		1Ω
Dielectric Strength (RMS)		1000V
Insulation Resistance (500 VDC)		10 ⁶ MΩ

MECHANICAL SPECIFICATIONS

- Mechanical Travel : 22 turns ± 5
- Operating Torque (max. Ncm) : 1.5
- End Stop Torque : clutch action
- Unit Weight (max. g) : 1.2

ENVIRONMENTAL SPECIFICATIONS

- Temperature Range : - 55°C + 155°C
- Climatic Category : 55/125/56
- Sealing : fully sealed container
Ip67

Part No.	Product No.	Manufacturer	Description	Type	Resistance data(Ω)	Tolerance(±)	Power Rating (W)
3989	T93YA-100KΩ	VISHAY	VISHAY_T93YA Multi-Turn Cermet Trimmer	T93YA	100K ohm	+/-10%	1/2W
4668	T93YA-100Ω	VISHAY	VISHAY_T93YA Multi-Turn Cermet Trimmer	T93YA	100 ohm	+/-10%	1/2W
2916	T93YA-10KΩ	VISHAY	VISHAY_T93YA Multi-Turn Cermet Trimmer	T93YA	10K ohm	+/-10%	1/2W
13465	T93YA-10Ω	VISHAY	VISHAY_T93YA Multi-Turn Cermet Trimmer	T93YA	10 ohm	+/-10%	1/2W
3607	T93YA-1KΩ	VISHAY	VISHAY_T93YA Multi-Turn Cermet Trimmer	T93YA	1K ohm	+/-10%	1/2W
4670	T93YA-1MΩ	VISHAY	VISHAY_T93YA Multi-Turn Cermet Trimmer	T93YA	1M ohm	+/-10%	1/2W
3123	T93YA-200KΩ	VISHAY	VISHAY_T93YA Multi-Turn Cermet Trimmer	T93YA	200K ohm	+/-10%	1/2W
5437	T93YA-200Ω	VISHAY	VISHAY_T93YA Multi-Turn Cermet Trimmer	T93YA	200 ohm	+/-10%	1/2W
3122	T93YA-20KΩ	VISHAY	VISHAY_T93YA Multi-Turn Cermet Trimmer	T93YA	20K ohm	+/-10%	1/2W
11803	T93YA-20Ω	VISHAY	VISHAY_T93YA Multi-Turn Cermet Trimmer	T93YA	20 OHM	+/-10%	1/2W
4669	T93YA-2KΩ	VISHAY	VISHAY_T93YA Multi-Turn Cermet Trimmer	T93YA	2K ohm	+/-10%	1/2W
5438	T93YA-500KΩ	VISHAY	VISHAY_T93YA Multi-Turn Cermet Trimmer	T93YA	500K ohm	+/-10%	1/2W
4671	T93YA-500Ω	VISHAY	VISHAY_T93YA Multi-Turn Cermet Trimmer	T93YA	500 ohm	+/-10%	1/2W
3988	T93YA-50KΩ	VISHAY	VISHAY_T93YA Multi-Turn Cermet Trimmer	T93YA	50K ohm	+/-10%	1/2W
5435	T93YA-50Ω	VISHAY	VISHAY_T93YA Multi-Turn Cermet Trimmer	T93YA	50 ohm	+/-10%	1/2W
2915	T93YA-5KΩ	VISHAY	VISHAY_T93YA Multi-Turn Cermet Trimmer	T93YA	5K ohm	+/-10%	1/2W

BOURNS_3362 Single-Turn Cermet Trimmer Potentiometers

Detailed product specifications are available on: us.100y.com.tw



Features

- Single-Turn / Cermet / Industrial / Sealed
- Miniature package
- Rotor designed for automatic machineadjust interface
- Withstands harsh environments and immersion cleaning processes



Electrical Characteristics		
Standard Resistance Range		10 to 2 megohms (see standard resistance table)
Resistance Tolerance		±10 % std. (tighter tolerance available)
Absolute Minimum Resistance		1 % or 2 ohms (whichever is greater)
Contact Resistance Variation		1 % or 3 ohms max. (whichever is greater)
Adjustability	Voltage	±0.05 %
	Resistance	±0.05 %
Insulation Resistance		500 vdc. 1,000 megohms min.
Dielectric Strength	Sea Level	900 vac
	80,000 Feet	350 vac
Adjustment Angle		240 °nom.



T E L : Taiwan : 886-3-5753170
 F A X : Taiwan : 886-3-5753172
 E-mail : Taiwan : us_sale@100y.com.tw

Shenzhen : 86-755-83298787
 Shenzhen : 86-755-83640655
 Shenzhen : 100y@163.com

Shanghai : 86-21-54151736
 Shanghai : 86-21-64605107
 Shanghai : 100y-1@163.com