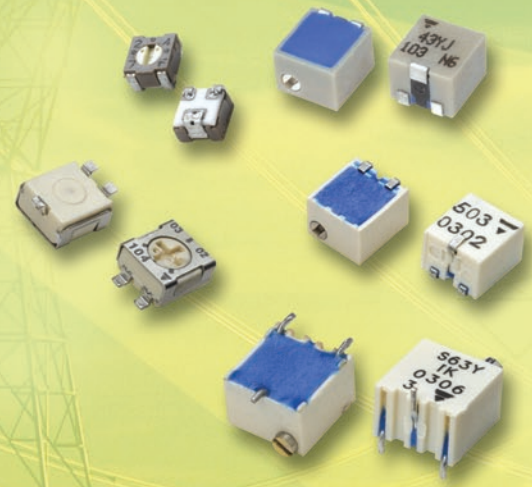
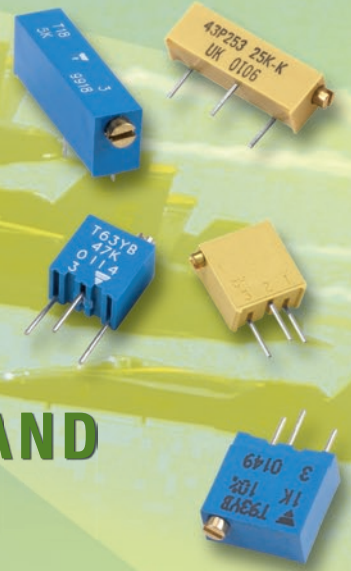




VISHAY INTERTECHNOLOGY, INC.

# SINGLE-TURN, MULTI-TURN AND SMD CERMET TRIMMERS

VISHAY SFERNICE



PRODUCT OVERVIEW

## **SINGLE-TURN CERMET TRIMMERS**

- Various electrical travel
- Top and side adjust versions
- 10  $\Omega$  to 10 M $\Omega$  resistance range
- Various pin styles
- Tube, tape and reel options


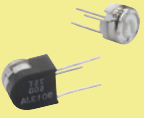





## **MULTITURN CERMET TRIMMERS**

- Various electrical travel
- Top and side adjust versions
- 10  $\Omega$  to 2.2 M $\Omega$  resistance range
- Tube, tape and reel, ammo pack options

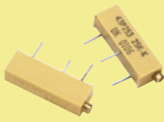
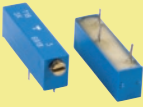
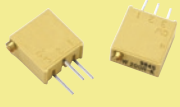
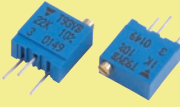
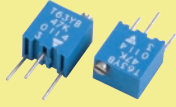
## **SMD CERMET TRIMMERS**

- Military and professional grade
- Multi-turn and single-turn options
- Fully-sealed trimmers
- Tape and reel, tube packaging








# SINGLE-TURN CERMET TRIMMERS

MODEL	63	75	T7	76	T73	T12	P8
							
<b>Package Size</b>	10 mm (3/8") square	6.35 mm (1/4") diameter	7 mm (1/4") diameter	6.35 mm (1/4") square	6.35 mm (1/4") square	12 mm (1/2") square	8.5 mm (1/3") diameter
<b>Resistance Range (ohms)</b>	10 to 2 M $\Omega$	10 to 2 M $\Omega$	10 to 2.2 M $\Omega$	10 to 5 M $\Omega$	10 to 2 M $\Omega$	22 $\Omega$ to 10 M $\Omega$	10 to 2.2 M $\Omega$
<b>Standard Resistance Tolerance</b>	$\pm 10\%$	$\pm 10\%$	$\pm 20\%$	$\pm 20\%$	$\pm 10\%$	$\pm 20\%$	$\pm 10\%$
<b>TC PPM/°C</b>	$\pm 100$	$\pm 100$	$\pm 100$	$\pm 100$	$\pm 100$	$\pm 100$	$\pm 100$
<b>Power Rating</b>	0.5 W @ 70 °C	0.5 W @ 85 °C	0.5 W @ 85 °C	0.5 W @ 70 °C	0.5 W @ 85 °C	1 W @ 70 °C	1 W @ 70 °C
<b>Electrical Travel</b>	270 °	240 °	270 °	240 °	240 °	270 °	270 °
<b>Contact Resistance Variation (CRV)</b>	2% or 2 $\Omega$	3% or 3 $\Omega$	3% or 3 $\Omega$	1% or 2 $\Omega$	1% or 2 $\Omega$	3% or 3 $\Omega$	2% or 1 $\Omega$
<b>Mechanical Life</b>	200 Cycles	200 Cycles	200 Cycles	200 Cycles	200 Cycles	200 Cycles	200 Cycles
<b>Operating Temperature</b>	- 55 °C to + 125 °C	- 55 °C to + 150 °C	- 55 °C to + 125 °C	- 55 °C to + 125 °C	- 55 °C to + 125 °C	- 55 °C to + 125 °C	- 55 °C to + 125 °C
<b>Features and Packaging</b>	Top adjust, side adjust, knob adjust, extended rotor, box	Top adjust, side adjust, box	Top adjust, box, or tube	Top adjust, side adjust, box	Top adjust, side adjust, tubes, tape and reel	Locking device, log law, box	Top adjust, side adjust, panel sealed, panel mount with solder lugs, box

# MULTI-TURN CERMET TRIMMERS

MODEL	<b>43</b> 	<b>T18</b> 	<b>64</b> 	<b>T93</b> 	<b>T63</b> 
<b>Package Size</b>	19 mm (3/4") rectangular	19 mm (3/4") rectangular	10 mm (3/8") square	10 mm (3/8") square	6.35 mm (1/4") square
<b>Resistance Range (ohms)</b>	10 $\Omega$ to 2 M $\Omega$	10 $\Omega$ to 2.2 M $\Omega$	10 $\Omega$ to 2 M $\Omega$	10 $\Omega$ to 2.2 M $\Omega$	10 $\Omega$ to 2 M $\Omega$
<b>Standard Resistance Tolerance</b>	$\pm 10\%$	$\pm 10\%$	$\pm 10\%$	$\pm 10\%$	$\pm 10\%$
<b>TC PPM/<math>^{\circ}\text{C}</math> 100 <math>\Omega</math> to 2 M<math>\Omega</math></b>	$\pm 100$	$\pm 100$	$\pm 100$	$\pm 100$	$\pm 100$
<b>Power Rating</b>	0.75 W @ 70 $^{\circ}\text{C}$	0.75 W @ 70 $^{\circ}\text{C}$	0.5 W @ 70 $^{\circ}\text{C}$	0.5 W @ 85 $^{\circ}\text{C}$	0.25 W @ 85 $^{\circ}\text{C}$
<b>Electrical Travel</b>	20 Turns	15 Turns	25 Turns	19 Turns	13 Turns
<b>Contact Resistance Variation (CRV)</b>	1% or 1 $\Omega$	2% or 1 $\Omega$	1% or 1 $\Omega$	2% or 2 $\Omega$	2% or 2 $\Omega$
<b>Mechanical Life</b>	200 Cycles	200 Cycles	200 Cycles	200 Cycles	200 Cycles
<b>Operating Temperature</b>	- 55 $^{\circ}\text{C}$ to + 125 $^{\circ}\text{C}$	- 55 $^{\circ}\text{C}$ to + 125 $^{\circ}\text{C}$	- 55 $^{\circ}\text{C}$ to + 125 $^{\circ}\text{C}$	- 55 $^{\circ}\text{C}$ to + 125 $^{\circ}\text{C}$	- 55 $^{\circ}\text{C}$ to + 125 $^{\circ}\text{C}$
<b>Features And Packaging</b>	Panel mount, clear lid, box	Panel mount, tube	Tube, tape and reel, ammpack, box	Tube, custom screw on request	Tube, custom screw on request

# SMD CERMET TRIMMERS

MODEL							
Package Size	5 mm (13/64")	5 mm (13/64")	6.85 mm (1/4")	6.85 mm (1/4")	5 mm (13/64")	5 mm (13/64")	3.2 mm (1/8")
Grade	Military and Professional	Industrial	Military and Professional	Industrial	Military and Professional	Industrial	Industrial
Resistance Range (ohms)	10 Ω - 1 MΩ	10 Ω - 1 MΩ	10 Ω - 2 MΩ	10 Ω - 2 MΩ	10 Ω - 1 MΩ	10 Ω - 2 MΩ	10 Ω - 2 MΩ
Standard Resistance Tolerance	±10%	±20%	±10%	±10%	±10%	±10%	±20%
TC PPM/°C 100 Ω to 2 MΩ	±100	±100	±100	±100	±100	±100	±150
Power Rating	0.25 W @ +70 °C	0.25 W @ +70 °C	0.25 W @ +85 °C	0.25 W @ +85 °C	0.25 W @ +85 °C	0.25 W @ +85 °C	0.125 W @ +70 °C
Electrical Travel/ Turns	220°	220°	13 Turns	13 Turns	11 Turns	11 Turns	220°
Contact Resistance Variation (CRV)	1% or 3 Ω	1% or 3 Ω	2% or 2 Ω	2% or 2 Ω	1% or 3 Ω	1% or 3 Ω	3% or 3 Ω
Mechanical Life	100 Cycles	100 Cycles	200 Cycles	200 Cycles	100 Cycles	100 Cycles	50 Cycles
Operating Temperature	-55 °C to +125 °C	-55 °C to +125 °C	-55 °C to +155 °C	-55 °C to +155 °C	-55 °C to +125 °C	-65 °C to +150 °C	-55 °C to +125 °C
Features And Packaging	J-hook and gull wing, tape and reel	J-hook and gull wing, tape and reel	Tube, tape and reel	Tube, tape and reel	J-hook and gull wing, top adjust, side adjust, tape and reel	J-hook and gull wing, top adjust, side adjust, tape and reel	Tape and reel

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