



## Specifications for Through-Hole Single-Turn Trimmers

Series	NVG6 Series	NVZ6 Series
Model Examples		
Features	<ul style="list-style-type: none"> <li>■ Cermet Through-Hole, Single-Turn Trimmers</li> <li>■ Adjustable from Both Sides</li> <li>■ Front/Top Cross-Slot Dust Cap or Back/Bottom Single-Slot Blade Adjustment</li> <li>■ Straight Standoff Terminals</li> <li>■ Radial Lead Paper Tape Packaged in Ammo Box</li> <li>■ Stable Performance in Adverse Ambient Conditions</li> <li>■ <b>RoHS Compliant:</b> Pb-Free and Cd-Free</li> </ul>	<ul style="list-style-type: none"> <li>■ Carbon Through-Hole, Single-Turn Trimmers</li> <li>■ Adjustable from Both Sides</li> <li>■ Front/Top Cross-Slot Dust Cap or Back/Bottom Single-Slot Blade Adjustment</li> <li>■ Straight Standoff Terminals</li> <li>■ Radial Lead Paper Tape Packaged in Ammo Box</li> <li>■ Stable Performance in Adverse Ambient Conditions</li> <li>■ <b>RoHS Compliant:</b> Pb-Free and Cd-Free</li> </ul>
Nominal Size and Construction	6.8mm x 8.4mm Open Frame, Through-Hole	6.8mm x 8.4mm Open Frame, Through-Hole
Resistive Element	Cermet	Carbon
Adjustment Travel	Single-Turn: 240° ± 10°	Single-Turn: 240° ± 10°
Adjustment Type	Front/Top Cross-Slot Dust Cap or Back/Bottom Single-Slot Blade Adjustment	Front/Top Cross-Slot Dust Cap or Back/Bottom Single-Slot Blade Adjustment
Terminal Style	Triangular Footprint, Standoff Straight Pins Radial Lead Paper Taping for Automatic Insertion	Triangular Footprint, Standoff Straight Pins Radial Lead Paper Taping for Automatic Insertion
Resistance Range	100Ω to 1MΩ (1, 2, 3, 5 Sequence)	100Ω to 1MΩ (1, 2, 3, 5 Sequence)
Resistance Tolerance	± 30%	± 30%
Residual Resistance	Within 2% of Total Resistance Value 1kΩ: 10Ω max.; 100kΩ: < 5% max.	Within 2% of Total Resistance Value 1kΩ: 10Ω max.; 100kΩ: < 5% max.
Noise (C.R.V.)	Within 4% of Total Resistance Value	Within 4% of Total Resistance Value
Power Rating	0.3 W at +70°C 0 W at +100°C	0.1 W at +70°C 0 W at +100°C
Maximum Working Voltage	100V or $\sqrt{PR} = V$ , whichever is smaller	100V or $\sqrt{PR} = V$ , whichever is smaller
Temperature Range	-25°C to +100°C	-25°C to +100°C
Temperature Coefficient	± 250 ppm/°C	—
Operating Torque	0.98 – 29.4 mN•m (10 – 300 gf•cm)	0.98 – 29.4 mN•m (10 – 300 gf•cm)
Stop Strength	49.0 mN•m (500 gf•cm)	49.0 mN•m (500 gf•cm)

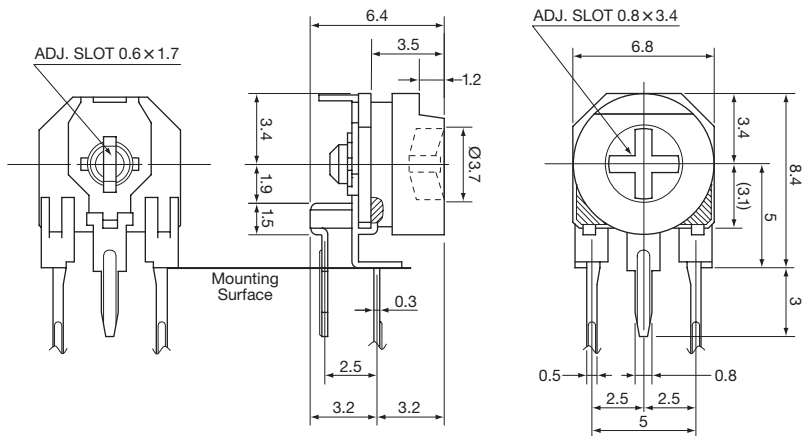
## Standard Nominal Resistance Values with Ordering Codes

Standard Nominal Resistances and Ordering Codes	Resistance (Ω)	Code	Resistance (Ω)	Code	Resistance (Ω)	Code	Resistance (Ω)	Code
	100	101	1,000	102	10,000	103	100,000	104
200	201	2,000	202	20,000	203	200,000	204	
300	301	3,000	302	30,000	303	300,000	304	
500	501	5,000	502	50,000	503	500,000	504	
—	—	—	—	—	—	1,000,000	105	

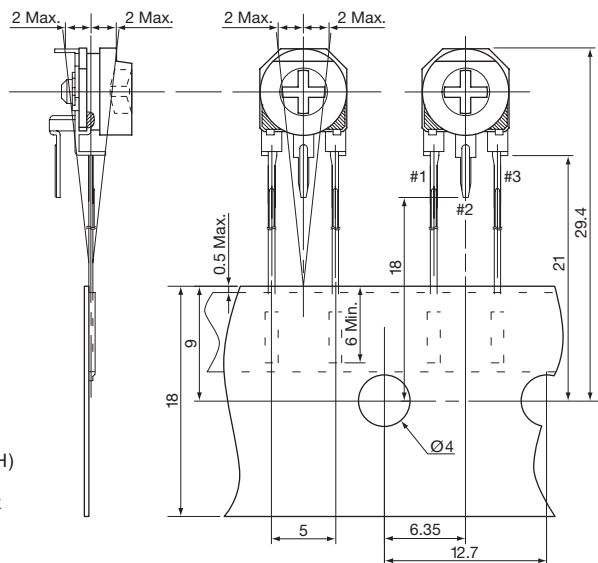
## Dimensions for Through-Hole Single-Turn Trimmers

### NVG6THT and NVZ6THT Through-Hole, Vertical Mount, Cross-Slot, Side Adjust (Front or Back)

Unit: mm



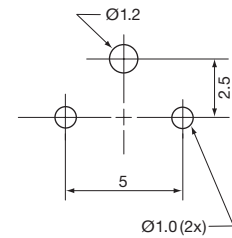
### Tape Dimensions Radial Lead Paper Taping



### Packaging 18mm Paper Tape Ammo Box (L x W x H) 335 x 330 x 50mm 1,000 Pieces Per Box

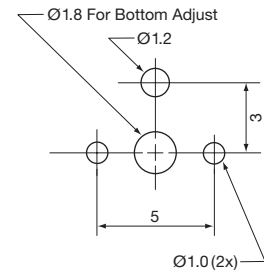
### Recommended PCB Layout

#### HT Side Adjust Pin-Out



### NVG6TLTA and NVZ6TLTA Top Adjust Models Available with this Recommended PCB Layout

#### LTA Top Adjust Pin-Out



## Part Numbering System for Through-Hole NVG6 and NVZ6

**NVZ 6 T HT B 302**

Resistance Code: Expressed in ohms. A three digit code where the first two digits are significant figures, and the third digit indicates the number of zeros that follow these figures (i.e., 300 = 30 $\Omega$ ; 301 = 300 $\Omega$ ; 302 = 3,000 $\Omega$ ; 303 = 30,000 $\Omega$ ).

Resistance Taper: B = Linear.

Mounting Style: HT = Vertical (Side Adjust); LTA = Horizontal (Top Adjust).

Design Type: T = Dust Resistant Cap.

Size: 6 = 6mm (See Dimensions).

TOCOS Series: NVG = Cermet; NVZ = Carbon.