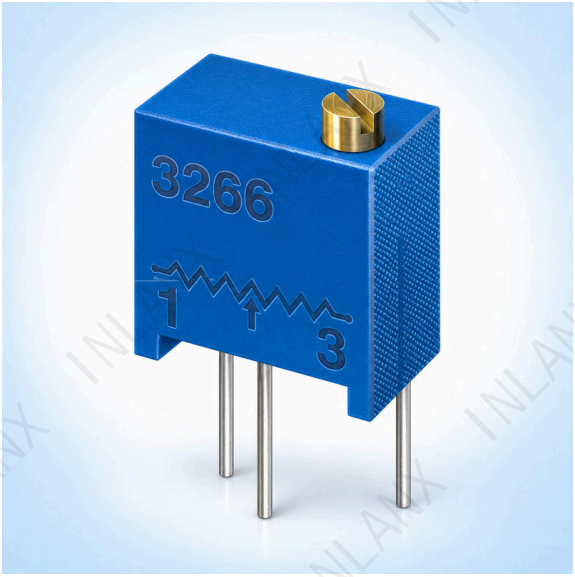
3266 Cermet Trimming Potentiometers

Product features

• 1/4-inch multiturn cermet, industrial sealed construction.

• Standoffs permit PC-board washing; tape/reel options available.

Styles: W / P / X / Y / Z



Electrical characteristics

Parameter	3266
Resistance range	10 Ω-1 MΩ
Resistance tolerance	±10%
Minimum / end resistance	1% or 2 Ω, whichever is greater
Contact resistance variation	3% or 3 Ω max., whichever is greater
Voltage adjustability	±0.02%
Resistance adjustability	±0.05%
Resolution	Infinite
Insulation resistance	≥1000 MΩ at 500 VDC
Dielectric strength	600 VAC at sea level; 250 VAC at 80000 ft
Electrical travel	12 turns nominal

Environmental characteristics

Parameter	3266
Rated power / voltage limit	0.25 W at 70°C; 0 W at 150°C; max. 300 V
Operating temperature	-55°C to +150°C
Temperature coefficient	±100 ppm/°C
Seal test	85°C Fluorinert
Humidity	MIL-STD-202 Method 103, 96 h; ΔTR 2%; IR 10 MΩ
Vibration	30 G; ΔTR 1%; ΔVR 1%
Shock	100 G; ΔTR 1%; ΔVR 1%
Load life	1000 h at 70°C / 0.25 W; ΔTR 3%; CRV 3%
Rotational life	200 cycles; ΔTR 4%; CRV 3% or 3 Ω, whichever is greater

3266 Cermet Trimming Potentiometers

Physical characteristics

Parameter	3266
Torque	3.0 oz-in max.
Stop / end-stop strength	Wiper idles
Terminals	Solderable pins
Weight	0.015 oz
Wiper setting	50% of actual TR, ±10%
Flammability	UL 94V-0
Adjustment tool	H-90

TR: total resistance; CRV: contact resistance variation; VR: voltage ratio. TRS/VRS indicate shifts in total resistance/voltage ratio. —: not specified for that construction.

Standard resistance values and codes

3266

Resistance	Code	Resistance	Code	Resistance	Code
10 Ω	100	20 Ω	200	50 Ω	500
100 Ω	101	200 Ω	201	500 Ω	501
1 kΩ	102	2 kΩ	202	5 kΩ	502
10 kΩ	103	20 kΩ	203	25 kΩ	253
50 kΩ	503	100 kΩ	104	200 kΩ	204
250 kΩ	254	500 kΩ	504	1 MΩ	105

Selected drawing dimensions • mm

Style	Shown outline values	Lead / pad spacing	Other drawing values
W/P/X/Y/Z	6.71 ±0.38; 4.50 ±0.38	2.54	6.85 ±0.51 (Y/Z)

Drawing reference values only; use the individual outline views. Units: mm (inches in parentheses). Individual tolerances apply.

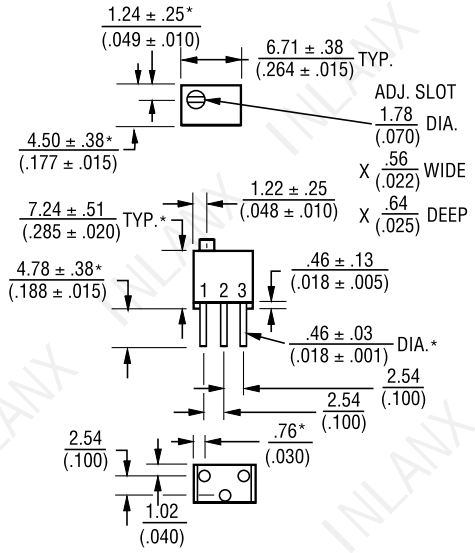
3266 Cermet Trimming Potentiometers

Outline and mounting dimensions

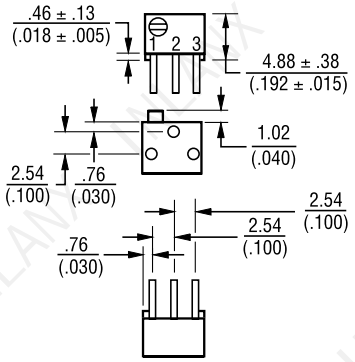
Unless otherwise noted: ±0.25 mm (±0.010 in).

W / P / X / Y / Z

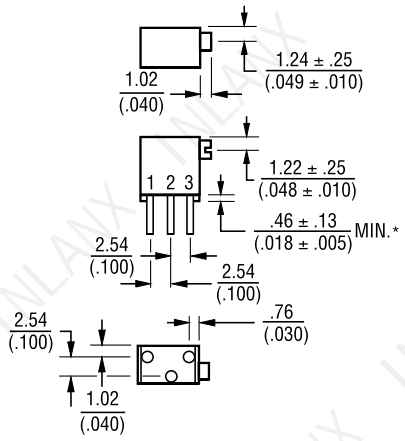
3266W
Common Dimensions



3266P

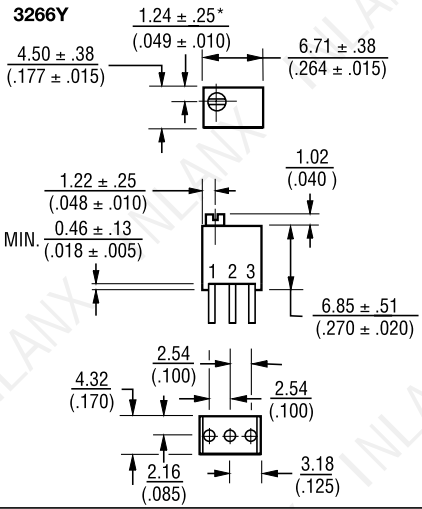


3266X

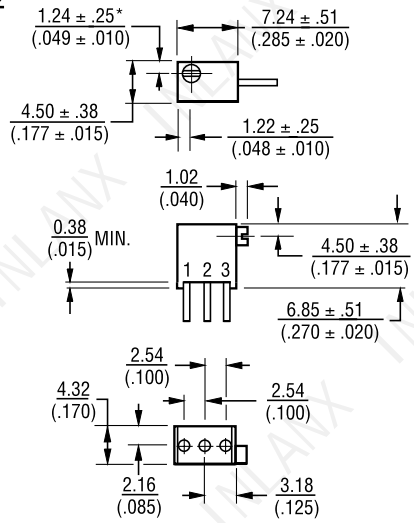


*Common dimensions

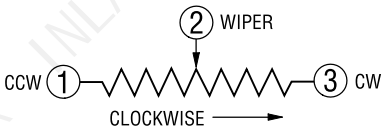
3266Y



3266Z



DIMENSIONS: MM/(INCHES)
TOLERANCES: ±.25/(±.010) EXCEPT WHERE NOTED

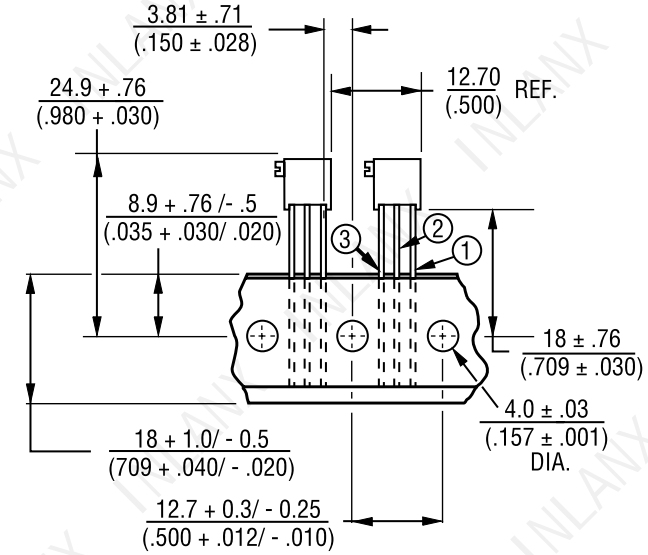


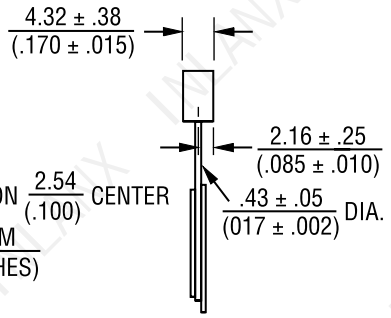
3266 Cermet Trimming Potentiometers

Packaging dimensions

Z / Y tape and reel

SIDE ADJUST
3266Z-1





ALL PINS IN-LINE ON 2.54 (.100) CENTER

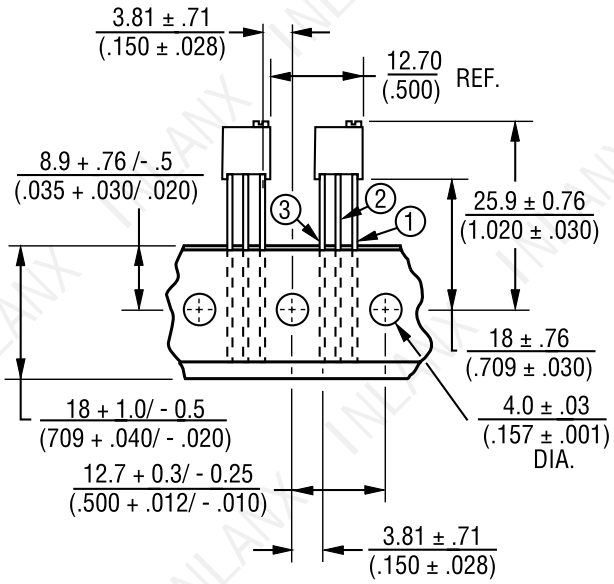
DIMENSIONS: MM (INCHES)

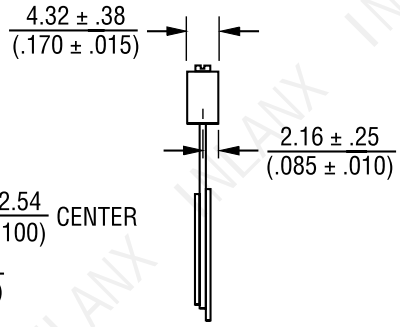
1000/REEL/BOX

DIMENSIONS: MM/(INCHES)
TOLERANCES: ±.25/(±.010) EXCEPT WHERE NOTED

Meets EIA Specification 468.

TOP ADJUST
3266Y-1





ALL PINS IN-LINE ON 2.54 (.100) CENTER

DIMENSIONS: MM (INCHES)

1000/REEL/BOX

Meets EIA Specification 468.

Packaging and ordering

Standard: 50 pcs/tube. Z (side adjust) and Y (top adjust) support tape/reel and ammo packing; tape lead centers 2.54 mm.

INLANX - 3266 - Style - 1 - Resistance code - [R/A] - [LF]. Example: 3266 W - 1 - 103 LF. R: tape/reel; A: ammo (Z and Y styles); blank: tube. LF: 100% tin; blank termination: 90% tin / 10% lead.