3362 Cermet Trimming Potentiometers

Product features

• Single-turn cermet, industrial, sealed; miniature 1/4-inch package.

• Top and side adjustment; optional knob for F, H, P, R and U styles.

• Rotor designed for automatic adjustment; immersion cleaning supported.

Styles: F / H / P / R / U / M / S / W / Z



Electrical characteristics

Parameter	3362
Resistance range	10 Ω-2 MΩ
Resistance tolerance	±10%
Minimum / end resistance	1% or 2 Ω, whichever is greater
Contact resistance variation	1% or 3 Ω max., whichever is greater
Voltage adjustability	±0.05%
Resistance adjustability	±0.15%
Resolution	Infinite
Insulation resistance	≥1000 MΩ at 500 VDC
Dielectric strength	900 VAC at sea level; 350 VAC at 80000 ft
Electrical travel	240° nominal

Environmental characteristics

Parameter	3362
Rated power / voltage limit	0.50 W at 70°C; 0 W at 125°C; max. 300 V
Operating temperature	-55°C to +125°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 / 0.5 W; ΔTR 3%; CRV 3% or 3 Ω, whichever is greater
Rotational life	200 cycles; ΔTR 4%; CRV 3% or 3 Ω, whichever is greater

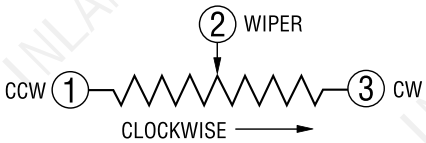
3362 Cermet Trimming Potentiometers

Physical characteristics

Parameter	3362
Mechanical angle	270° nominal
Torque	3.0 oz-in max.
Stop / end-stop strength	≥7.0 oz-in
Terminals	Solderable pins
Weight	0.02 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.

Terminal circuit



Standard resistance values and codes

3362

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
2 MΩ	205				

Selected drawing dimensions • mm

Style	Shown outline values	Lead / pad spacing	Other drawing values
F/H/P/R/U/M/S/W/Z	6.60; 6.99; 4.70	2.54	5.46 ±0.38
P + T	6.71; 7.04; 14.63	2.54	5.46

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

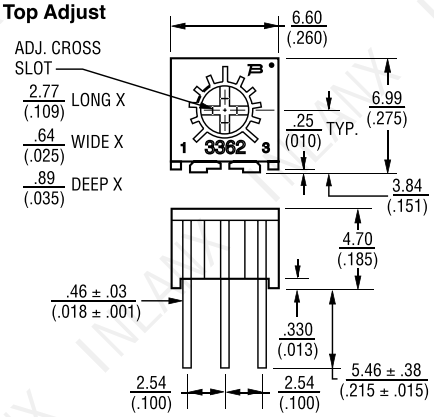
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Outline and mounting dimensions

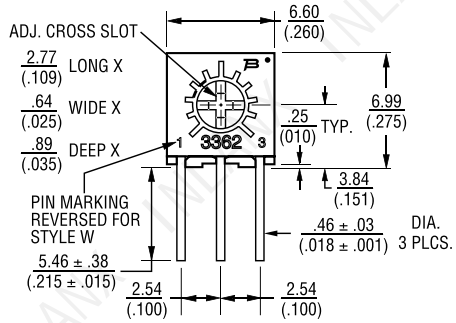
Unless otherwise noted: ±0.25 mm (±0.010 in).

F / H / P / R / U / M / S / W / Z

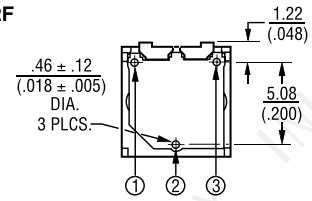
Common Dimensions
Top Adjust



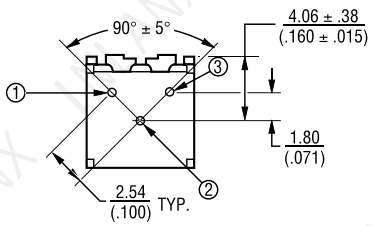
Common Dimensions
Side Adjust



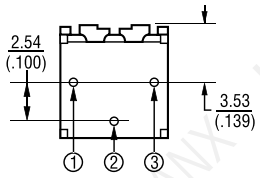
3362F



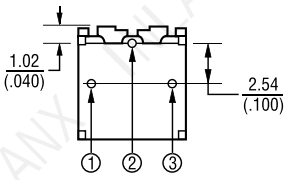
3362H



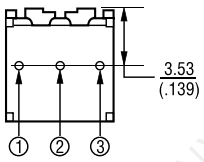
3362P



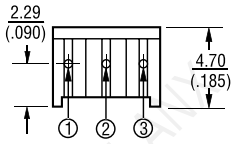
3362R



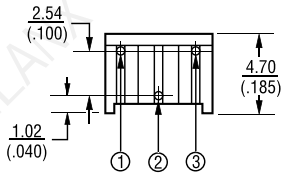
3362U



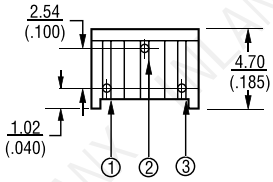
3362M



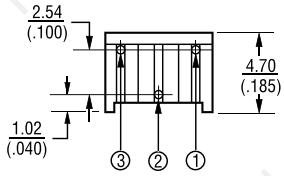
3362S



3362W

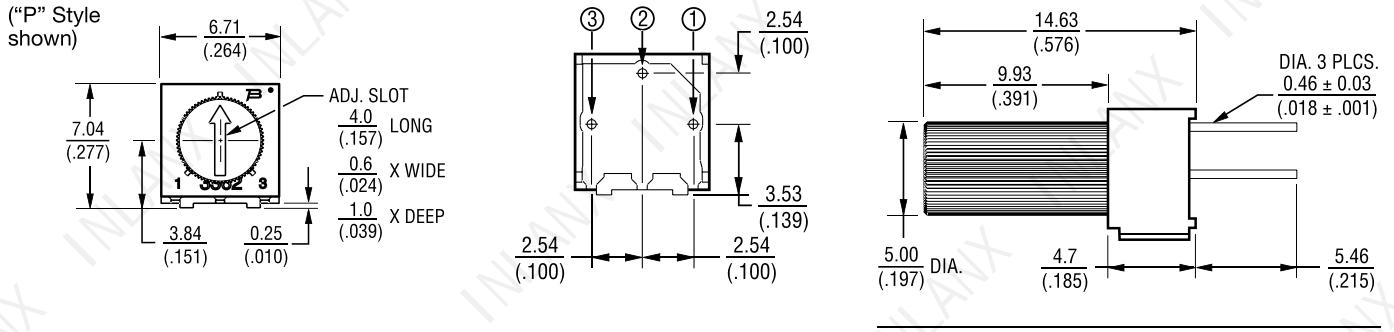


3362Z



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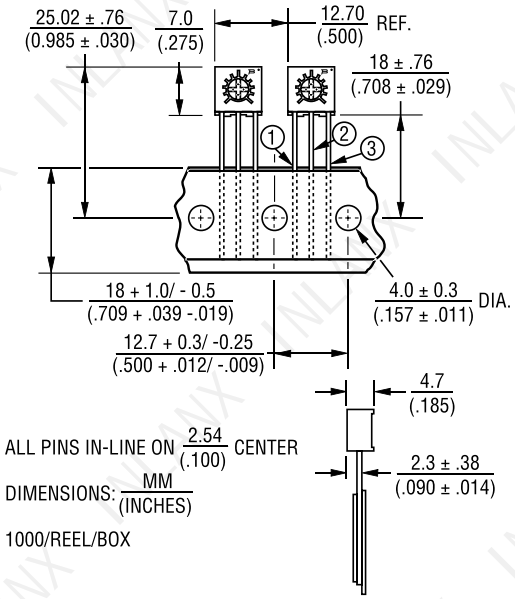
Optional knob T



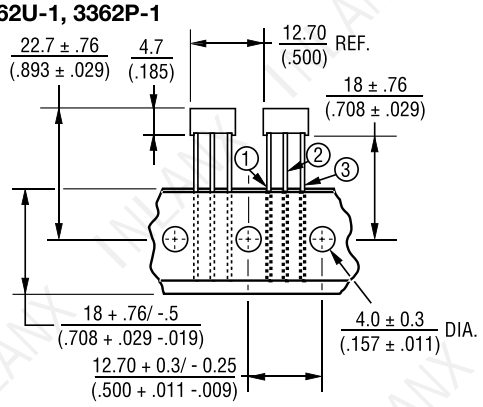
Packaging dimensions

M / U / P tape and reel

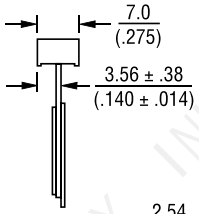
SIDE ADJUST
3362M-1



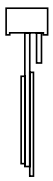
TOP ADJUST
3362U-1, 3362P-1



SIDE VIEW
3362U-1



SIDE VIEW
3362P-1



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

DIMENSIONS: MM (INCHES)

750/REEL
1000/BOX

Meets EIA Specification 468.

Packaging and ordering

Standard: 50 pcs/tube. M-1 side-adjust tape: 1000/reel/box; U-1 top-adjust: 750/reel; P-1: 1000/box. Tape/reel and ammo options apply to M, U and P styles. Knob T is supplied only in standard tubes for F, H, P, R and U styles.

INLANX - 3362 - Style - 1 - Resistance code - [T] - [Packaging] - [LF]. Example: 3362 P - 1 - 502 T LF. LF: 100% tin plated; blank: 90% tin / 10% lead.