



Features

- Multiturn / Cermet / Sealed
- Listed on the QPL for style RJ22 per MIL-R-22097
- Panel mount option available
- RoHS compliant* version available
- For trimmer applications/processing guidelines, [click here](#)

3252 - 1/2 " Square Trimpot® Trimming Potentiometer

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 max.
(whichever is greater)	
Contact Resistance Variation	1 % or 2 ohms max.
(whichever is greater)	
Adjustability	
Voltage	±0.01 %
Resistance	±0.05 %
Resolution	Infinite
Insulation Resistance	500 vdc.
	1,000 megohms min.
Dielectric Strength	
Sea Level	1,000 vac
80,000 Feet	400 vac
Effective Travel	25 turns nom.

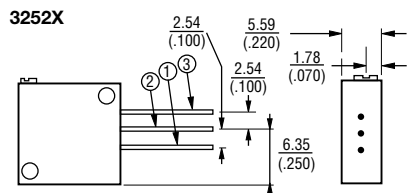
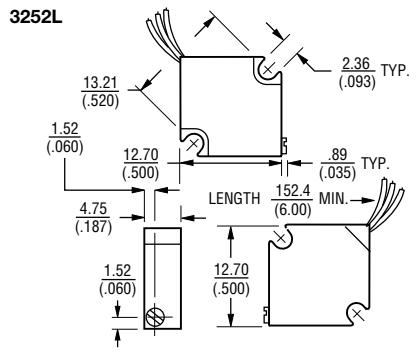
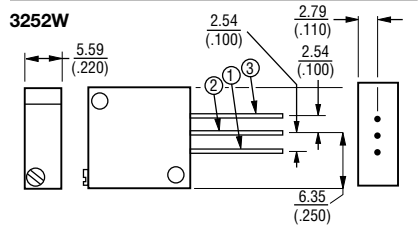
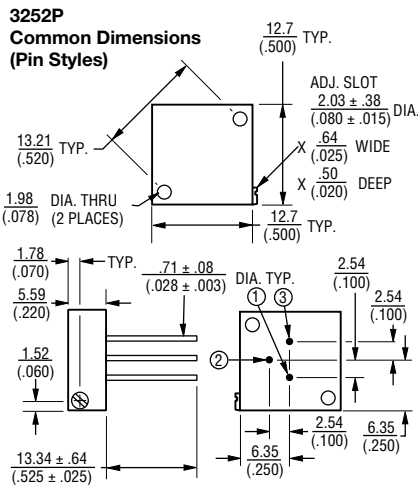
Environmental Characteristics

Power Rating @ 85 °C (400 volts max.)	0.75 watt
Power Rating @ 150 °C	0 watt
Temperature Range	-65 °C to +150 °C
Temperature Coefficient	±100 ppm/°C
Seal Test	85 °C Fluorinert†
	(pin styles only)
Humidity	MIL-STD-202 Method 103;
	96 hours (1 % ΔTR; 100 Megohms IR)
Vibration	30 G (1 % ΔTR; 1 % ΔVR)
Shock	100 G (1 % ΔTR; 1 % ΔVR)
Load Life	1,000 hours 0.75 watt @ 85 °C
	(3 % ΔTR; 3 % or 3 ohms,
	whichever is greater, CRV)
Rotational Life	200 cycles
	(2 % ΔTR; 3 % or 3 ohms,
	whichever is greater, CRV)

Physical Characteristics

Torque	5.0 oz-in. max.
Mechanical Stops	Wiper idles
Terminals	Solderable printed circuit pins
Flexible leads	(7 strands of 30 AWG)
Weight	0.065 oz.
Wiper	50 % (Actual TR) ±10 %
Flammability	U.L. 94V-0
Machine Screw Mounting	
Torque	12 oz-in. max.
Marking	Manufacturer's trademark,
	resistance code, wiring diagram,
	date code, manufacturer's model
	number and style
Standard Packaging	
X, P&W Styles	25 pcs. per tube
L Style	25 pcs. per bag
Adjustment Tool	H-90

Product Dimensions



How To Order

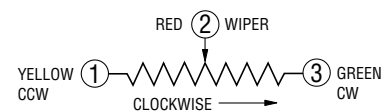
Model	3252	L	-1	-103	M	LF
Style						
Standard or Modified						
Product Indicator						
-1 = Standard Product						
Resistance Code						
Optional Suffix Letter						
M = Panel Mount						
(Factory Installed)						
Terminations						
LF =	100 % Tin-plated (RoHS compliant)					
Blank =	90 % Tin / 10 % Lead-plated					
(Standard)						

Consult factory for other available options.

Standard Resistance Table

Resistance (Ohms)	Resistance Code
10	100
20	200
50	500
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
25,000	253
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105
2,000,000	205

Popular values listed in boldface. Special resistances available.



DIMENSIONS:	MM (INCHES)
TOLERANCES: ±	0.25 (.010)
	EXCEPT WHERE NOTED

REV. 04/14

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

"Trimpot" is a registered trademark of Bourns, Inc.

†"Fluorinert" is a registered trademark of 3M Co.

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

Mouser Electronics

Authorized Distributor

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Bourns:

[3252W-1-253M](#) [3252X-1-104](#) [3252X-1-102](#) [3252X-1-100](#) [3252X-1-103](#) [3252X-1-101](#) [3252X-1-105](#) [3252X-1-103M](#)
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[3252W-1-102](#) [3252P-1-104](#) [3252W-1-100](#) [3252P-1-101](#) [3252W-1-103](#) [3252P-1-103](#) [3252W-1-101](#) [3252P-1-105](#)
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[101LF](#) [3252P-1-201LF](#) [3252P-1-202LF](#) [3252P-1-204LF](#) [3252P-1-504LF](#) [3252W-1-101LF](#) [3252W-1-102LF](#) [3252W-](#)
[1-103LF](#) [3252W-1-104LF](#) [3252W-1-201LF](#) [3252W-1-203LF](#) [3252W-1-204LF](#) [3252W-1-501LF](#) [3252W-1-502LF](#)
[3252W-1-503LF](#) [3252X-1-102LF](#) [3252X-1-104LF](#) [3252X-1-503LF](#) [3252X-1-503MLF](#) [3252X-1-504LF](#) [3252W-1-254](#)
[3252P-1-255](#) [3252W-1-253](#) [3252P-1-253](#) [3252P-1-254](#) [3252L-1-100LF](#) [3252L-1-100MLF](#) [3252L-1-101LF](#) [3252L-1-](#)
[101MLF](#) [3252L-1-102LF](#) [3252L-1-102MLF](#) [3252L-1-103LF](#) [3252L-1-103MLF](#) [3252L-1-104LF](#) [3252L-1-104MLF](#)
[3252L-1-105MLF](#) [3252L-1-200LF](#) [3252L-1-201LF](#) [3252L-1-201MLF](#) [3252L-1-202LF](#) [3252L-1-202MLF](#) [3252L-1-](#)
[203LF](#) [3252L-1-203MLF](#) [3252L-1-204LF](#) [3252L-1-205LF](#) [3252L-1-205MLF](#) [3252L-1-253LF](#) [3252L-1-253MLF](#)
[3252L-1-254LF](#) [3252L-1-305LF](#) [3252L-1-500LF](#) [3252L-1-501LF](#) [3252L-1-501MLF](#) [3252L-1-502LF](#) [3252L-1-502MLF](#)
[3252L-1-503LF](#) [3252L-1-503MLF](#) [3252L-1-504LF](#) [3252L-1-504MLF](#) [3252P-1-102LF](#) [3252P-1-103LF](#)