

BOURNS type 3224 (4mm square, surface mount)

Sealed, multiturn cermet trimming potentiometers in a range of values from 10Ω to 2MΩ with low contact resistance variation. The devices are available in a choice of flush fitting top or side adjust orientations and feature pick and place centering design.



- 4mm square surface mount body
- Cermet element
- Sealed for board washing
- Multiturn (11 turns)
- Top or side adjust
- Low contact resistance variation
- Supplied taped & reeled

Specification

Electrical Characteristics

Resistance range	10Ω to 2MΩ
Resistance tolerance	±10%
Absolute minimum resistance	1% or 2Ω max. (whichever is greater)
Contact resistance variation	1% or 3Ω max. (whichever is greater)
Resolution	Infinite
Insulation resistance	100MΩ min. @ 500Vd.c.
Dielectric strength	600Va.c. for 1 minute
Effective travel	11 turns nominal

Environmental Characteristics

Power rating	0.25W @ 300V/85°C max.
Temperature range	-65°C to +150°C
Temperature coefficient	100ppm/°C
Humidity	MIL-STD-202 method 106
total resistance shift	2% max./10MΩ insulation resistance
Vibration	20G
total resistance shift	1% max.
voltage ratio shift	1% max.
Shock	100G
total resistance shift	1% max.
voltage ratio shift	1% max.
Load life	1000 hours 0.25W @ 85°C
total resistance shift	3Ω or 3% max. (whichever is greater)
Rotational life	200 cycles
total resistance shift	3Ω or 3% max. (whichever is greater)
Thermal shock	5 cycles
total resistance shift	2% max.
voltage ratio shift	1% max.

Physical Characteristics

Operating torque	180g/cm max.
Mechanical stops	Wiper idles (clutching action)
Wiper positioning	50% nominal
Flammability	UL94V-0

Dimensions (mm)

Refer to page opposite

Circuit Diagram



• Other Styles Available

Please contact our Sales Dept. for details

SPLT

500pcs
(3224W 250pcs) Manufacturers smallest factory pack quantity for lot integrity and traceability.

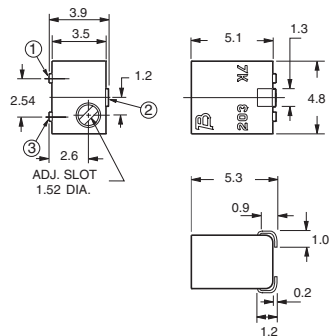
Value (Ω)	Bourns Part No. & Anglia Order Code	
	3224J	3224W
10R	3224J-1-100E	3224W-1-100E
20R	3224J-1-200E	3224W-1-200E
50R	3224J-1-500E	3224W-1-500E
100R	3224J-1-101E	3224W-1-101E
200R	3224J-1-201E	3224W-1-201E
500R	3224J-1-501E	3224W-1-501E
1K	3224J-1-102E	3224W-1-102E
2K	3224J-1-202E	3224W-1-202E
5K	3224J-1-502E	3224W-1-502E
10K	3224J-1-103E	3224W-1-103E
20K	3224J-1-203E	3224W-1-203E
25K	-	3224W-1-253E
50K	3224J-1-503E	3224W-1-503E
100K	3224J-1-104E	3224W-1-104E
200K	3224J-1-204E	3224W-1-204E
250K	-	3224W-1-254E
500K	3224J-1-504E	3224W-1-504E
1M	3224J-1-105E	3224W-1-105E
2M	3224J-1-205E	3224W-1-205E

SUPPLIED IN FULL REELS ONLY

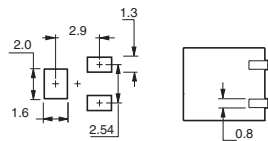
BOURNS type 3224 (4mm square, surface mount) *continued*

Dimensions (mm)

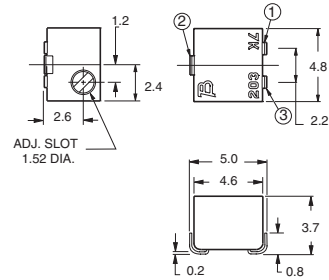
3224W (top adjust)



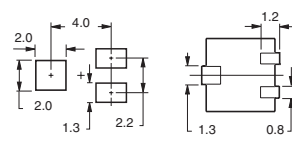
Pad Pattern



3224J (side adjust)

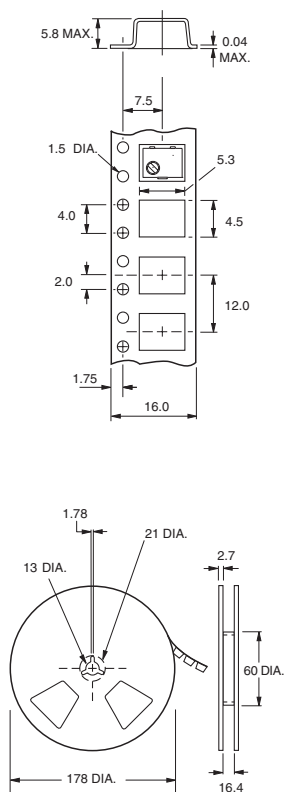


Pad Pattern



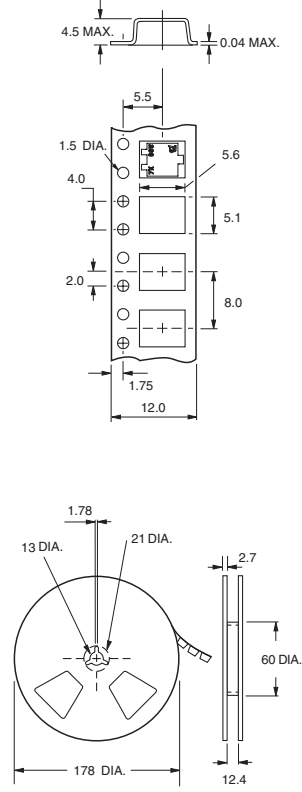
Packaging

3224W



Reel quantity 250pcs

3224J



Reel quantity 500pcs