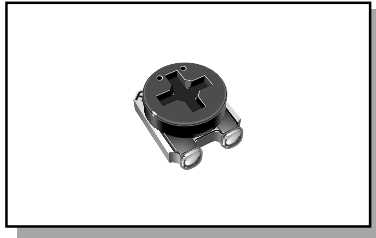


BOURNS type 3374 (4mm square, surface mount)

Sealed, single turn cermet trimming potentiometers in a range of values from 10Ω to 2MΩ and a top adjust configuration. Designed for reflow solder processing, the devices are suitable for use with pick-and-place assembly equipment. An option is provided for product orientation within the tape.



- ◆ 4mm square surface mount body
- ◆ Cermet element
- ◆ Sealed for board washing
- ◆ Single turn
- ◆ Top adjust (cross slot rotor)
- ◆ Tape orientation option
- ◆ Supplied taped & reeled



Specification

Electrical Characteristics

Resistance range	10Ω to 2MΩ
Resistance tolerance	±20%
End resistance	1% or 2Ω max. (whichever is greater)
Contact resistance variation	3% or 3Ω max. (whichever is greater)
Resolution	Infinite
Adjustment angle	240° nom.

Environmental Characteristics

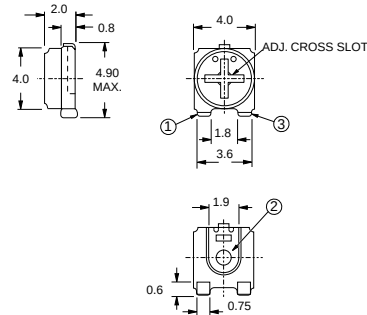
Power rating	0.25W @ 70°C
Temperature range	-55°C to +125°C
Temperature coefficient	<500K = ±100ppm/°C ≥500K = ±150ppm/°C
Seal	5 turns min.
Humidity	MIL-STD-202 method 103
Vibration	20G
total resistance shift	1% max.
voltage ratio shift	1% max.
Shock	100G
total resistance shift	1% max.
voltage ratio shift	1% max.
Load life	1000 hours 0.25W @ 70°C
total resistance shift	3% max.
Rotational life	100 cycles
total resistance shift	3% max.
Thermal shock	5 cycles
total resistance shift	2% max.
voltage ratio shift	1% max.

Physical Characteristics

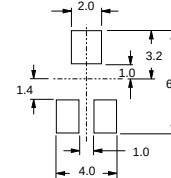
Operating torque	18 to 180g/cm
Mechanical angle	Continuous
Wiper positioning	50% nominal

Dimensions (mm)

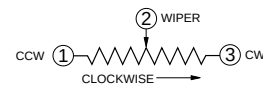
3374W/X



Pad Pattern



Circuit Diagram



Packaging

TAPE : 12mm wide, 8mm pitch

REEL : 178mm dia.

3374W - Taped with terminals towards sprocket holes
3374X - Taped with terminals away from sprocket holes

Value (Ω)	Manf. Part No. & Anglia Order Code	
	3374W	3374X
	Terminals towards holes	Terminals away from holes
10R	3374W-1-100E	3374X-1-100E
20R	3374W-1-200E	3374X-1-200E
50R	3374W-1-500E	3374X-1-500E
100R	3374W-1-101E	3374X-1-101E
200R	3374W-1-201E	3374X-1-201E
500R	3374W-1-501E	3374X-1-501E
1K	3374W-1-102E	3374X-1-102E
2K	3374W-1-202E	3374X-1-202E
5K	3374W-1-502E	3374X-1-502E
10K	3374W-1-103E	3374X-1-103E
20K	3374W-1-203E	3374X-1-203E
50K	3374W-1-503E	3374X-1-503E
100K	3374W-1-104E	3374X-1-104E
200K	3374W-1-204E	3374X-1-204E
500K	3374W-1-504E	3374X-1-504E
1M	3374W-1-105E	3374X-1-105E
2M	3374W-1-205E	3374X-1-205E



For the very latest information on the full range of Bourns products available from Anglia refer to our Bourns technical guide, available upon request.

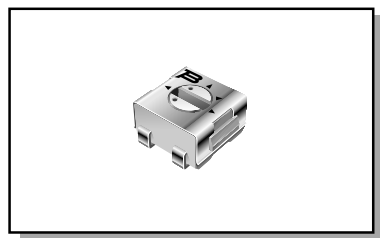
Alternatively the guide may be viewed or downloaded from the Anglia website:

www.angliac.co.uk



BOURNS type 3314 (4mm square, surface mount)

Sealed, single turn cermet trimming potentiometers in a range of values from 100Ω to 2MΩ. The devices are available in top or side adjust orientation with a terminal option offered on top adjust. Compatible with all popular pick-and-place assembly equipment.



- ◆ 4mm square surface mount body
- ◆ Cermet element
- ◆ Sealed for board washing
- ◆ Single turn
- ◆ Top (slot) or side (cross slot) adjust
- ◆ Terminal option on top adjust
- ◆ Supplied taped & reeled



Specification

Electrical Characteristics

Resistance range	100Ω to 2MΩ
Resistance tolerance	±20%
End resistance	1% or 2Ω max. (whichever is greater)
Contact resistance variation	1% or 3Ω max. (whichever is greater)
Resolution	Infinite
Insulation resistance	100MΩ min. @ 500Vdc
Dielectric strength	500Vac for 1 minute
Adjustment angle	210° nominal

Environmental Characteristics

Power rating	0.25W @ 300V/70°C max.
Temperature range	-55°C to +125°C
Temperature coefficient	100ppm/°C
Humidity	90-98% RH, 10 cycles, 240 hours
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 @ 70°C
total resistance shift	3% max.
Rotational life	100 cycles
total resistance shift	3% max.
Thermal shock	5 cycles
total resistance shift	2% max.
voltage ratio shift	1% max.
Soldering heat resistance	260°C/10s
total resistance shift	1% max.

Physical Characteristics

Operating torque	180g/cm typ.
Mechanical angle	240° nom.
Stop strength	300g/cm typ.
Flammability	UL94V-0

	Manf. Part No. & Anglia Order Code		
Value (Ω)	3314G Top adjust, gull wing	3314J Top adjust, J-hook	3314Z Side adjust
100R	3314G-1-101E	3314J-1-101E	3314Z-1-101E
200R	3314G-1-201E	3314J-1-201E	3314Z-1-201E
500R	3314G-1-501E	3314J-1-501E	3314Z-1-501E
1K	3314G-1-102E	3314J-1-102E	3314Z-1-102E
2K	3314G-1-202E	3314J-1-202E	3314Z-1-202E
5K	3314G-1-502E	3314J-1-502E	3314Z-1-502E
10K	3314G-1-103E	3314J-1-103E	3314Z-1-103E
20K	3314G-1-203E	3314J-1-203E	3314Z-1-203E
50K	3314G-1-503E	3314J-1-503E	3314Z-1-503E
100K	3314G-1-104E	3314J-1-104E	3314Z-1-104E
200K	3314G-1-204E	3314J-1-204E	3314Z-1-204E
500K	3314G-1-504E	3314J-1-504E	3314Z-1-504E
1M	3314G-1-105E	3314J-1-105E	3314Z-1-105E
2M	3314G-1-205E	3314J-1-205E	3314Z-1-205E

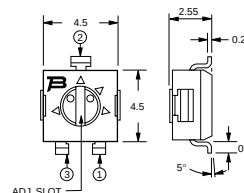


• Other Styles Available

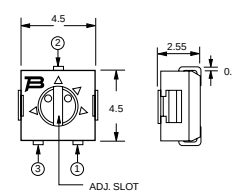
Please contact our Sales Desk for details

Dimensions (mm)

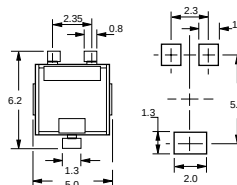
3314G (top adjust, gull wing)



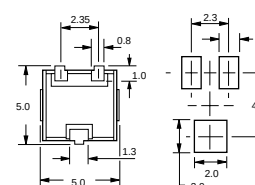
3314J (top adjust, J-hook)



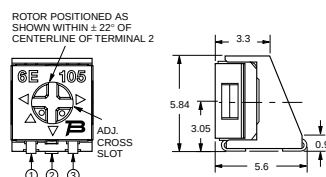
Pad Pattern



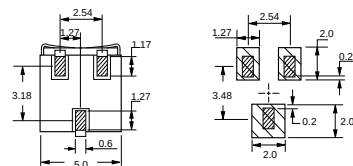
Pad Pattern



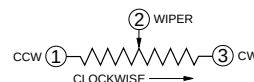
3314Z (side adjust)



Pad Pattern



Circuit Diagram



Packaging

TAPE : 3314J/G - 12mm wide, 8mm pitch
3314Z - 16mm wide, 12mm pitch

REEL : 178mm dia.

