

# BOURNS Trimmer Potentiometers



This product is RoHS compliant.



Reliable Electronic Solutions

## BOURNS 3309W & 3309P SERIES 9MM ROUND SINGLE TURN CERMET TRIMMING POTENTIOMETER

### Features:

- Cermet industrial / open frame
- Top and single side (front) adjust
- Cross slot designs
- Horizontal and vertical mounting styles
- Dust resistant/splash resistant covers
- PC board stand-offs and retention feature
- RoHS compliant

### Electrical Characteristics:

- Resistance tolerance:  $\pm 25\%$  standard
- Absolute min. resistance: 2% max. ( $\leq 2K=30\Omega$ )
- Contact resistance variation:  $\leq 3\%$  max.
- Resolution: Essentially infinite
- Adjustment angle: 235° nominal

### Environmental Characteristics:

- Power rating (250V max.): 70°C: 0.5W
- Temperature range: -25°C to +100°C

- Temperature coefficient:  $\pm 250\text{ppm}/^\circ\text{C}$
- Load life: 1000 hours 0.5W @ 70°C (5%)



RoHS Compliant

MOUSER STOCK NO.	Bourns Part No.	Value Ohms	Style (Adjust)	Price Each						
				1	50	100	200	500	1000	2000
652-3309W-1-101	3309W-1-101	100	Front							
652-3309W-1-201	3309W-1-201	200	Front							
652-3309W-1-501	3309W-1-501	500	Front							
652-3309W-1-102	3309W-1-102	1K	Front							
652-3309W-1-202	3309W-1-202	2K	Front							
652-3309W-1-502	3309W-1-502	5K	Front							
652-3309W-1-103	3309W-1-103	10K	Front							
652-3309W-1-203	3309W-1-203	20K	Front							
652-3309W-1-253	3309W-1-253	25K	Front							
652-3309W-1-503	3309W-1-503	50K	Front							
652-3309W-1-104	3309W-1-104	100K	Front							
652-3309P-1-101	3309P-1-101	100	Top							
652-3309P-1-201	3309P-1-201	200	Top							
652-3309P-1-501	3309P-1-501	500	Top							
652-3309P-1-102	3309P-1-102	1K	Top							
652-3309P-1-202	3309P-1-202	2K	Top							
652-3309P-1-502	3309P-1-502	5K	Top							
652-3309P-1-103	3309P-1-103	10K	Top							
652-3309P-1-203	3309P-1-203	20K	Top							
652-3309P-1-253	3309P-1-253	25K	Top							
652-3309P-1-503	3309P-1-503	50K	Top							
652-3309P-1-104	3309P-1-104	100K	Top							

**3309W1**

**DIMENSIONS: mm**

Suggested PWB Layout

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**3309P-1**

**DIMENSIONS: mm**

Suggested PWB Layout

## BOURNS 3319W & 3319P SERIES 9MM ROUND SINGLE TURN CARBON TRIMMING POTENTIOMETER

### Features:

- Carbon commercial / open frame
- Both sides adjust
- Cross slot adjustment designs
- Horizontal and vertical mounting styles
- Dust resistant/splash resistant covers
- PC board stand-offs and retention feature
- RoHS compliant

### Electrical Characteristics:

- Resistance tolerance:  $\pm 25\%$  standard
- End resistance: 2% max. ( $\leq 2k=30\Omega$ )
- Contact resistance variation: 3% max.
- Resolution: Infinite
- Adjustment angle: 235° nominal

### Environmental Characteristics:

- Power rating (200V max.): 70°C: 0.2W
- Temperature range: -25°C to +100°C

- Temperature coefficient:  $\pm 1000\text{ppm}/^\circ\text{C}$
- Load life: 1000 hours 0.2W @ 70°C



RoHS Compliant

MOUSER STOCK NO.	Bourns Part No.	Value Ohms	Style (Adjust)	Price Each						
				1	50	100	200	500	1000	2000
652-3319W-1-101	3319W-1-101	100	Side							
652-3319W-1-201	3319W-1-201	200	Side							
652-3319W-1-501	3319W-1-501	500	Side							
652-3319W-1-102	3319W-1-102	1K	Side							
652-3319W-1-202	3319W-1-202	2K	Side							
652-3319W-1-502	3319W-1-502	5K	Side							
652-3319W-1-103	3319W-1-103	10K	Side							
652-3319W-1-203	3319W-1-203	20K	Side							
652-3319W-1-503	3319W-1-503	50K	Side							
652-3319W-1-104	3319W-1-104	100K	Side							
652-3319P-1-101	3319P-1-101	100	Top							
652-3319P-1-201	3319P-1-201	200	Top							
652-3319P-1-501	3319P-1-501	500	Top							
652-3319P-1-102	3319P-1-102	1K	Top							
652-3319P-1-202	3319P-1-202	2K	Top							
652-3319P-1-502	3319P-1-502	5K	Top							
652-3319P-1-103	3319P-1-103	10K	Top							
652-3319P-1-203	3319P-1-203	20K	Top							
652-3319P-1-503	3319P-1-503	50K	Top							
652-3319P-1-104	3319P-1-104	100K	Top							

**3319W-1**

**DIMENSIONS: mm**

Suggested PWB Layout

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**3319P-1**

**DIMENSIONS: mm**

Suggested PWB Layout