

BOURNS® Trimmer Potentiometers

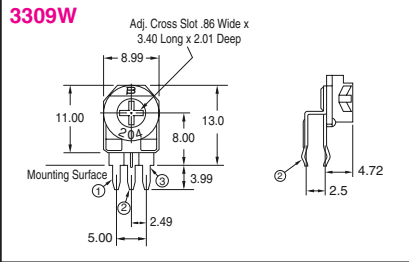
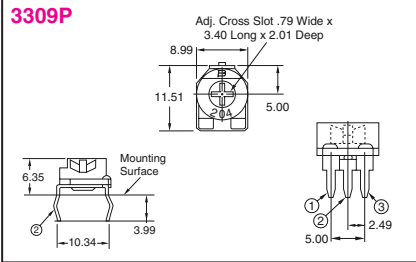
SERIES 3309 — 9mm Round/Single-Turn Cermet/Industrial/Open Frame



Characteristics:

- **Resistance Tolerance:** ±25% standard • **Adjustment Angle:** 235° nominal • **Power Rating (250 volts maximum):** 70°C = 0.5 Watt
- **Temperature Range:** -25°C - 100°C • **Temperature Coefficient:** ±250ppm/°C • **Load Life:** 1,000 hours 0.5 watt @ 70°C (5% ΔTR)
- **Torque:** 5.0 oz-inch maximum • **Stop Strength:** 11.0 oz-inch minimum

Dim. in mm



Resolution (Ω)	Digi-Key Part No.	Digi-Key Part No.
100	3309P-101-ND	3309W-101-ND
200	3309P-201-ND	3309W-201-ND
500	3309P-501-ND	3309W-501-ND
1K	3309P-102-ND	3309W-102-ND
2K	3309P-202-ND	3309W-202-ND
5K	3309P-502-ND	3309W-502-ND
10K	3309P-103-ND	3309W-103-ND
20K	3309P-203-ND	3309W-203-ND
50K	3309P-503-ND	3309W-503-ND
100K	3309P-104-ND	3309W-104-ND
200K	3309P-204-ND	3309W-204-ND
500K	3309P-504-ND	3309W-504-ND
1M	3309P-105-ND	3309W-105-ND

Series	Pricing		
	1	10	100
3309P/3309W	.96	8.07	66.86

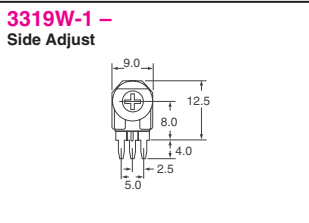
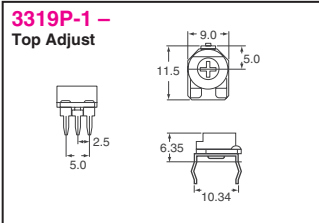
◆ RoHS Compliant

SERIES 3319 — 9mm Round/Single-Turn Carbon/Open Frame

Characteristics:

- **Resistance Tolerance:** ±25% standard • **Contact Resistance Variation:** 3% maximum • **Resolution:** Infinite • **Adjustment Angle:** 235° nominal • **Power Rating (200V maximum):** 70°C = 0.2W
- **Temperature Range:** -25°C - 100°C • **Temperature Coefficient:** ±1,000ppm/°C

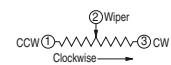
Dim. in mm



Series	Resistance (Ω)	Digi-Key Part No.	Pricing		
			1	10	50
3319P-1	100	3319P-101-ND	.50	3.65	15.99
	200	3319P-201-ND	.50	3.65	15.99
	5K	3319P-502-ND	.50	3.65	15.99
	10K	3319P-103-ND	.50	3.65	15.99
	100K	3319P-104-ND	.50	3.65	15.99
3319W-1	10K	3319W-1-103-ND	.50	3.65	15.99

◆ RoHS Compliant

SERIES 3299 — 3/8" (9.52mm) Square/Multiturn (25) Cermet/Industrial/Sealed



Characteristics:

- **Resistance Tolerance:** ±10% standard • **Insulation Resistance:** 500vdc, 1,000MΩ minimum • **Effective Travel:** 25 turns nominal • **Power Rating (300 volts maximum):** 70°C = 0.5 watt; 125°C = 0 watt
- **Temperature Range:** -55°C - 125°C • **Temperature Coefficient:** ±100ppm/°C • **Load Life:** 1,000 hours 0.5 watt @ 70°C (3% ΔTR; CRV, 3% or 3Ω, whichever is greater) • **Rotational Life:** 200 cycles (4% ΔTR; CRV, 3% or 3Ω, whichever is greater) • **Torque:** 3.0 oz-inch maximum • **Mechanical Stops:** Wiper idles

Dim. in mm

Common Dimensions		3299X	

SERIES 3310 — 9mm Square Panel Control Conductive Plastic, Sealed



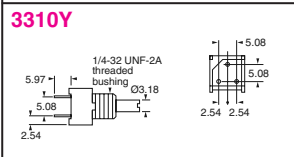
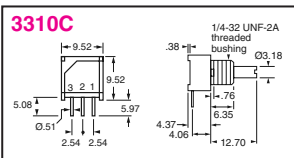
Features:

- Conductive plastic • Linear • PC board and bushing mount • Plastic bushing and plastic shaft
- Withstands typical industrial washing processes • Compact package saves board and panel space

Characteristics:

- **Standard Resistance Range (Linear):** 1KΩ to 1MΩ • **Total Resistance Tolerance (Linear Tapers):** ±20% • **Independent Linearity:** ±5% • **Absolute Minimum Resistance:** 2Ω maximum • **Effective Electrical Angle:** 270° ±15° • **Contact Resistance Variation:** 1% or 1Ω (whichever is greater) • **Dielectric Withstanding Voltage:** (Sea Level) 900VAC minimum; (70,000 Feet) 350 VAC minimum • **Insulation Resistance:** 1,000MΩ minimum • **Power Rating @ 70°C:** (Derate to 0 at 125°C - Voltage limited by power dissipation or 200VAC, whichever is less) 0.25 watts • **Stop Strength:** 5.65 nominal • **Mechanical Angle:** 300° nominal • **Torque (Running):** 3.53 nominal • **Mounting hardware included**

Dim. in mm



Res. (Ω)	Digi-Key Part No.	Digi-Key Part No.
1K	3310C-001-102L-ND	3310Y-001-102L-ND
2K	3310C-001-202L-ND	3310Y-001-202L-ND
5K	3310C-001-502L-ND	3310Y-001-502L-ND
10K	3310C-001-103L-ND	3310Y-001-103L-ND
20K	3310C-001-203L-ND	3310Y-001-203L-ND
50K	3310C-001-503L-ND	3310Y-001-503L-ND
100K	3310C-001-104L-ND	3310Y-001-104L-ND
200K	3310C-001-204L-ND	3310Y-001-204L-ND
500K	3310C-001-504L-ND	3310Y-001-504L-ND
1M	3310C-001-105L-ND	3310Y-001-105L-ND

Series	Pricing		
	1	10	50
3310C/3310Y	2.87	25.39	106.49

Res. (Ω)	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.
10	3299P-100LF-ND	3299W-100LF-ND	3299X-100LF-ND	3299Y-100LF-ND	3299Z-100LF-ND
20	3299P-200LF-ND	—	3299X-200LF-ND	3299Y-200LF-ND	—
50	—	3299W-500LF-ND	—	3299Y-500LF-ND	—
100	3299P-101LF-ND	3299W-101LF-ND	3299X-101LF-ND	3299Y-101LF-ND	3299Z-101LF-ND
200	3299P-201LF-ND	3299W-201LF-ND	3299X-201LF-ND	3299Y-201LF-ND	—
500	3299P-501LF-ND	3299W-501LF-ND	3299X-501LF-ND	3299Y-501LF-ND	3299Z-501LF-ND
1K	3299P-102LF-ND	3299W-102LF-ND	3299X-102LF-ND	3299Y-102LF-ND	3299Z-102LF-ND
2K	3299P-202LF-ND	3299W-202LF-ND	3299X-202LF-ND	3299Y-202LF-ND	3299Z-202LF-ND
5K	3299P-502LF-ND	3299W-502LF-ND	3299X-502LF-ND	3299Y-502LF-ND	3299Z-502LF-ND
10K	3299P-103LF-ND	3299W-103LF-ND	3299X-103LF-ND	3299Y-103LF-ND	3299Z-103LF-ND
20K	3299P-203LF-ND	3299W-203LF-ND	3299X-203LF-ND	3299Y-203LF-ND	3299Z-203LF-ND
25K	3299P-253LF-ND	3299W-253LF-ND	—	3299Y-253LF-ND	—
50K	3299P-503LF-ND	3299W-503LF-ND	3299X-503LF-ND	3299Y-503LF-ND	3299Z-503LF-ND
100K	3299P-104LF-ND	3299W-104LF-ND	3299X-104LF-ND	3299Y-104LF-ND	3299Z-104LF-ND
200K	3299P-204LF-ND	3299W-204LF-ND	3299X-204LF-ND	3299Y-204LF-ND	3299Z-204LF-ND
250K	—	3299W-254LF-ND	3299X-254LF-ND	3299Y-254LF-ND	—
500K	3299P-504LF-ND	3299W-504LF-ND	3299X-504LF-ND	3299Y-504LF-ND	—
1M	3299P-105LF-ND	3299W-105LF-ND	3299X-105LF-ND	3299Y-105LF-ND	3299Z-105LF-ND
2M	—	3299W-205LF-ND	—	3299Y-205LF-ND	3299Z-205LF-ND
5M	—	3299W-505LF-ND	3299X-505LF-ND	—	—

Series	Pricing		
	1	10	50
3299P/3299Z	3.75	34.06	146.44
3299W/3299X/3299Y	3.49	31.67	136.17

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