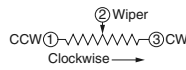


BOURNS® Trimmer Potentiometers

SERIES 3223 — Surface Mount 3mm Multi-Turn (11) Cermet/ Industrial/Sealed



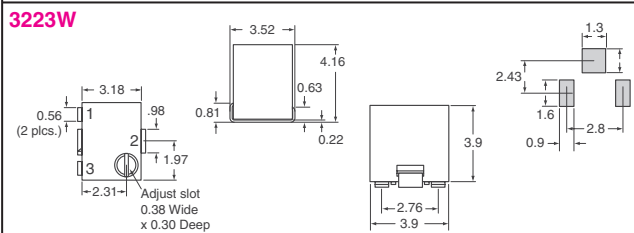
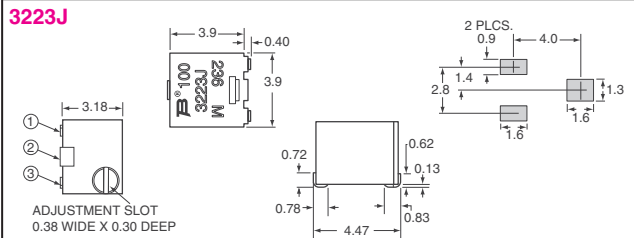
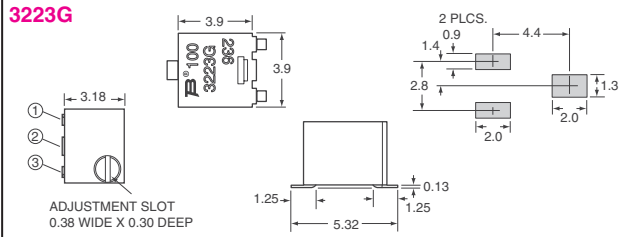
Features:

• Surface Mount 3mm Square/Multi-turn Cermet/Industrial/Sealed • Sealed to withstand standard board wash processing • Pick and place centering design for automated placement compatibility • Flush adjustment screw • Top and side adjust

Characteristics:

• **Resistance Tolerance:** ±20% standard • **Absolute Minimum Resistance:** 1% or 3Ω maximum (whichever is greater) • **Contact Resistance Variation:** 3% or 3Ω maximum (whichever is greater) • **Resolution:** Essentially Infinite • **Insulation Resistance:** 500VDC, 100MΩ minimum • **Adjustment Angle:** 11 turns nominal • **Power Rating (200V maximum):** 70°C = 0.125W, 150°C = 0W • **Temperature Range:** -65°C ~ 150°C • **Temperature Coefficient:** ±100ppm/°C • **Vibration:** 20G TRS ±1%, VRS ±1% • **Shock:** 100G TRS ±1%, VRS ±1% • **Load Life (@ 70°C Rated Power 1000 Hours):** CRV 4Ω or 4% (whichever is greater) • **Rotational Cycling:** 200 cycles, CRV 4Ω or 4% (whichever is greater) • **Thermal Shock:** 5 cycles, TRS ±2%, VRS ±2%

Dim. in mm

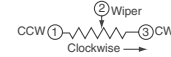


Res. (Ω)	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.
10	—	3223J-1-100ECT-ND◆	—
20	—	—	—
50	—	3223J-1-101ECT-ND◆	—
100	—	—	—
200	3223G-1-201ECT-ND◆	—	—
500	3223G-1-501E□□-ND◆	3223J-1-501E□□-ND◆	3223W-1-100E□□-ND◆
1K	3223G-1-102E□□-ND◆	—	—
2K	3223G-1-202E□□-ND◆	3223J-1-202E□□-ND◆	3223W-1-500E□□-ND◆
5K	—	3223J-1-502E□□-ND◆	3223W-1-101E□□-ND◆
10K	3223G-1-103E□□-ND◆	3223J-1-103E□□-ND◆	3223W-1-101E□□-ND◆
20K	—	—	3223W-1-201E□□-ND◆
50K	3223G-1-503E□□-ND◆	3223J-1-503E□□-ND◆	3223W-1-501E□□-ND◆
100K	—	—	3223W-1-102E□□-ND◆
200K	—	—	3223W-1-202E□□-ND◆
500K	—	—	3223W-1-502E□□-ND◆
1M	—	3223J-1-504ECT-ND◆	3223W-1-103E□□-ND◆
2M	—	3223J-1-105ECT-ND◆	3223W-1-203E□□-ND◆
			3223W-1-503E□□-ND◆
			3223W-1-503E□□-ND◆
			3223W-1-104E□□-ND◆
			3223W-1-204E□□-ND◆
			3223W-1-504E□□-ND◆
			3223W-1-105E□□-ND◆
			3223W-1-205E□□-ND◆

Series	Part No.	Cut Tape Pricing	Part No.	Tape and Reel Pricing
3223G/3223J/3223W	Add "CT"-ND	1 3.18 10 27.26 100 236.26	Add "TR"-ND	500 740.60

◆ RoHS Compliant

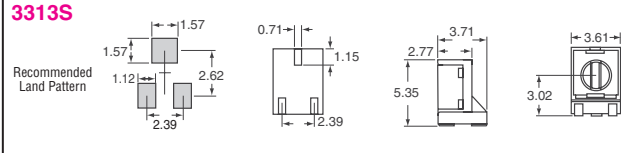
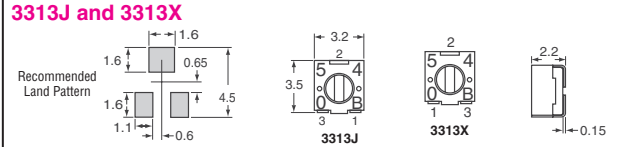
SERIES 3313 — 3mm Trimming Potentiometer



Feature: • Surface Mount 3mm Square Single-Turn Cermet/Sealed

Characteristics: • **Resistance Tolerance:** ±20% standard • **End Resistance:** 1% or 3Ω maximum (whichever is greater) • **Contact Resistance Variation:** 3% or 3Ω • **Insulation Resistance:** 500VDC, 100MΩ minimum • **Adjustment Angle:** 220° nominal • **Dielectric Strength:** Sea level: 500VAC; 70,000 Feet: 350VAC • **Power Rating (200V max.):** 70°C = 0.125W, 125°C = 0W • **Temperature Range:** -55°C ~ 125°C • **Temperature Coefficient:** ≤100Ω ±150ppm/°C; >100Ω ±100ppm/°C

Dim. in mm

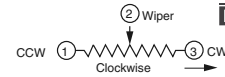


Resolution (Ω)	Digi-Key Part No.	Digi-Key Part No.	Digi-Key Part No.
10	3313J-1-100E□□-ND◆	—	—
20	3313J-1-200E□□-ND◆	3313S-1-200ECT-ND◆	—
50	3313J-1-500E□□-ND◆	—	—
100	3313J-1-01E□□-ND◆	—	—
200	3313J-201E□□-ND◆	3313S-1-201ECT-ND◆	—
500	3313J-501E□□-ND◆	3313S-1-501E□□-ND◆	—
1K	3313J-1-02E□□-ND◆	3313S-1-02E□□-ND◆	—
2K	3313J-2-02E□□-ND◆	3313S-1-202E□□-ND◆	—
5K	3313J-5-02E□□-ND◆	3313S-1-502E□□-ND◆	3313X-502E□□-ND◆
10K	3313J-1-03E□□-ND◆	3313S-1-103E□□-ND◆	3313X-103E□□-ND◆
20K	3313J-2-03E□□-ND◆	—	—
50K	3313J-5-03E□□-ND◆	3313S-1-503E□□-ND◆	3313X-503E□□-ND◆
100K	3313J-1-04E□□-ND◆	3313S-1-104E□□-ND◆	—
200K	3313J-1-204E□□-ND◆	3313S-1-204E□□-ND◆	—
500K	3313J-1-504E□□-ND◆	3313S-1-504E□□-ND◆	—
1MEG	3313J-1-105E□□-ND◆	—	—
2MEG	—	—	—

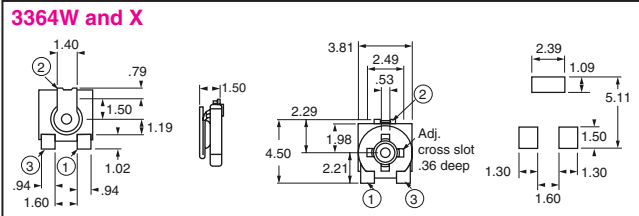
Series	Part No.	Cut Tape Pricing	Part No.	Tape and Reel Pricing
3313J/3313J-1	Add "CT"-ND	1 1.49 10 12.39 100 114.00	Add "TR"-ND	— 743.49
3313S/3313S-1	Add "CT"-ND	1 1.64 10 13.63 100 125.40	Add "TR"-ND	201.73 —
3313X	Add "CT"-ND	1 1.54 10 12.80 100 117.80	Add "TR"-ND	— 819.49

◆ RoHS Compliant

SERIES 3364 — SMD 4mm Square/Single-Turn Cermet/Industrial/Open Frame



Dim. in mm



Cross-slot rotor designs suitable for automatic adjustment equipment. Supplied in 12mm embossed tape and compatible with automatic pick-and-place assembly equipment. Rear adjust versions available.

Characteristics: • **Resistance Tolerance:** ±25% standard • **Adjustment Angle:** 260° ±20° • **Power Rating (50V maximum):** 70°C = 0.2W • **Temperature Range:** -40°C ~ 100°C • **Temperature Coefficient:** ±250ppm/°C • **Load Life:** 1,000 hours 0.2W @ 70°C (5% ΔTR) • **Rotational Life:** 20 cycles (15% ΔTR) • **Torque:** 20 ~ 200g-cm • **Mechanical Angle:** Continuous

Res. (Ω)	Digi-Key Part No.	Digi-Key Part No.
500	3364W-501E□□-ND◆	3364X-501E□□-ND
1K	3364W-102E□□-ND◆	3364X-102E□□-ND
2K	3364W-202E□□-ND	3364X-202E□□-ND
5K	3364W-502E□□-ND	3364X-502E□□-ND
10K	3364W-103E□□-ND◆	3364X-103E□□-ND◆
20K	3364W-203E□□-ND◆	3364X-203E□□-ND
50K	3364W-503E□□-ND◆	3364X-503E□□-ND◆
100K	3364W-104E□□-ND◆	3364X-104E□□-ND
200K	3364W-204E□□-ND	3364X-204E□□-ND
500K	3364W-504E□□-ND	3364X-504E□□-ND
1M	3364W-105E□□-ND	3364X-105E□□-ND

Series	Part No.	Cut Tape Pricing	Part No.	Tape and Reel Pricing
3364W/3364X	Add "CT"-ND	5 4.30 100 57.50	Add "TR"-ND	1,000 326.31

◆ RoHS Compliant

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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