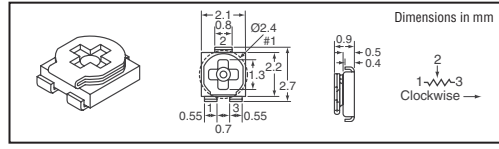




SMD Open Type Trimmer Potentiometers 2mm PVZ2 Series



Features: • Gold plated termination achieve a high density PCB mounting • Cross-shaped driver slot allows for in-process automatic adjustment and it provides superior adjustability • Special resin substrate allow high peak temperature for reflow soldering
Specifications: • Power Rating: 0.1W (50°C) • Soldering Method: Reflow • Number of Turns (Effective Rotation Angle): 1 (240°±10°) • TCR (ppm/°C): ±500

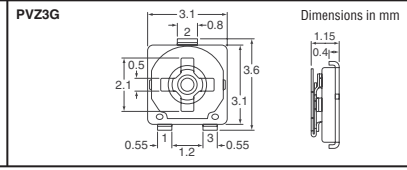
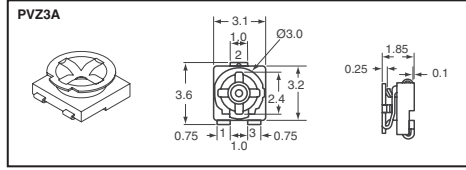
Total Resistance Value (Ω) ±30%	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	T & R Pricing 3,000	Murata Part No.
		5	10	100			
500	490-2041-1-ND	.76	1.28	11.18	490-2041-2-ND	75.96/M	PVZ2A501A01R00
1k	490-2031-1-ND	.76	1.28	11.18	490-2031-2-ND	75.96/M	PVZ2A102A01R00
2k	490-2035-1-ND	.76	1.28	11.18	—	—	—
3k	490-2038-1-ND	.76	1.28	11.18	490-2038-2-ND	75.96/M	PVZ2A302A01R00
5k	490-2042-1-ND	.76	1.28	11.18	490-2042-2-ND	75.96/M	PVZ2A502A01R00
10k	490-2032-1-ND	.76	1.28	11.18	490-2032-2-ND	75.96/M	PVZ2A103A01R00
20k	490-2036-1-ND	.76	1.28	11.18	490-2036-2-ND	75.96/M	PVZ2A203A01R00

Total Resistance Value (Ω) ±30%	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	T & R Pricing 3,000	Murata Part No.
		5	10	100			
30k	490-2039-1-ND	.76	1.28	11.18	490-2039-2-ND	75.96/M	PVZ2A303A01R00
50k	490-2043-1-ND	.76	1.28	11.18	490-2043-2-ND	75.96/M	PVZ2A503A01R00
100k	490-2033-1-ND	.76	1.28	11.18	490-2033-2-ND	75.96/M	PVZ2A104A01R00
200k	490-2037-1-ND	.76	1.28	11.18	490-2037-2-ND	75.96/M	PVZ2A204A01R00
300k	490-2040-1-ND	.76	1.28	11.18	490-2040-2-ND	75.96/M	PVZ2A304A01R00
500k	490-2044-1-ND	.76	1.28	11.18	490-2044-2-ND	75.96/M	PVZ2A504A01R00
1M	490-2034-1-ND	.76	1.28	11.18	490-2034-2-ND	75.96/M	PVZ2A105A01R00

SMD Open Type Trimmer Potentiometers 3mm PVZ3A and PVZ3G Series



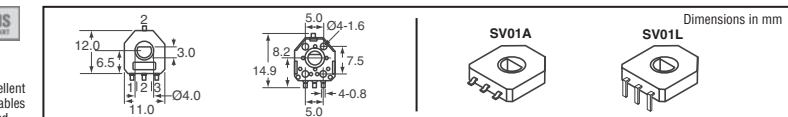
Features: • Excellent solderability characteristics are achieved via special plating techniques on each termination • Specially designed substrate prevents wicking of flux onto the top of the part body • Enlarged bottom termination enhance soldering strength while reducing the necessary land area required promoting high-density PCB mounting • Funnel shaped adjustment slot allows for in-process automatic adjustment • Standard position of driver plate is adjusted at the center • Products meets Pb-free
Specifications: • Power Rating: 0.1W (50°C) • Soldering Method: Reflow • Number of Turns (Effective Rotation Angle): 1 (230°±10°) • TCR (ppm/°C): ±500



Total Resistance Value (Ω) ±30%	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		Murata Part No.
		5	10	100		Qty.	Pricing	
PVZ3A Series								
300	490-2023-1-ND	.55	.94	8.16	—	—	—	PVZ3A301A01R00
200k	490-2021-1-ND	.55	.94	8.16	—	—	—	PVZ3A204A01R00
300k	490-2026-1-ND	.55	.94	8.16	490-2026-2-ND	2,000	56.00/M	PVZ3A304A01R00
2M	490-2022-1-ND	.55	.94	8.16	—	—	—	PVZ3A205A01R00
PVZ3G Series								
220	490-4618-1-ND	.55	.94	8.16	490-4618-2-ND	2,500	55.42/M	PVZ3G221C01R00
330	490-4623-1-ND	.55	.94	8.16	490-4623-2-ND	2,500	55.42/M	PVZ3G331C01R00
470	490-4627-1-ND	.55	.94	8.16	490-4627-2-ND	2,500	55.42/M	PVZ3G471C01R00
680	490-4631-1-ND	.55	.94	8.16	490-4631-2-ND	2,500	55.42/M	PVZ3G681C01R00
1k	490-4610-1-ND	.55	.94	8.16	490-4610-2-ND	2,500	55.42/M	PVZ3G102C01R00
1.5k	490-4614-1-ND	.55	.94	8.16	490-4614-2-ND	2,500	55.42/M	PVZ3G152C01R00
2.2k	490-4619-1-ND	.55	.94	8.16	490-4619-2-ND	2,500	55.42/M	PVZ3G222C01R00
3.3k	490-4624-1-ND	.55	.94	8.16	490-4624-2-ND	2,500	55.42/M	PVZ3G332C01R00
4.7k	490-4628-1-ND	.55	.94	8.16	490-4628-2-ND	2,500	55.42/M	PVZ3G472C01R00

Total Resistance Value (Ω) ±30%	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		Murata Part No.
		5	10	100		Qty.	Pricing	
6.8k	490-4632-1-ND	.55	.94	8.16	490-4632-2-ND	2,500	55.42/M	PVZ3G682C01R00
10k	490-4611-1-ND	1.00	1.70	14.81	490-4611-2-ND	2,500	100.58/M	PVZ3G103C01R00
15k	490-4615-1-ND	.57	.97	8.47	490-4615-2-ND	2,500	57.54/M	PVZ3G153C01R00
22k	490-4620-1-ND	.55	.94	8.16	490-4620-2-ND	2,500	55.42/M	PVZ3G223C01R00
33k	490-4625-1-ND	.50	.84	7.34	490-4625-2-ND	2,500	50.00/M	PVZ3G333C01R00
47k	490-4629-1-ND	.55	.94	8.16	490-4629-2-ND	2,500	55.42/M	PVZ3G473C01R00
68k	490-4633-1-ND	.55	.94	8.16	490-4633-2-ND	2,500	55.42/M	PVZ3G683C01R00
100k	490-4612-1-ND	.50	.85	7.44	490-4612-2-ND	2,500	51.00/M	PVZ3G104C01R00
150k	490-4616-1-ND	.55	.94	8.16	490-4616-2-ND	2,500	55.42/M	PVZ3G154C01R00
220k	490-4621-1-ND	.55	.94	8.16	490-4621-2-ND	2,500	55.42/M	PVZ3G224C01R00
330k	490-4626-1-ND	.55	.94	8.16	490-4626-2-ND	2,500	55.42/M	PVZ3G334C01R00
470k	490-4630-1-ND	.55	.94	8.16	490-4630-2-ND	2,500	55.42/M	PVZ3G474C01R00
680k	490-4634-1-ND	.55	.94	8.16	490-4634-2-ND	2,500	55.42/M	PVZ3G684C01R00
1M	490-4613-1-ND	.55	.94	8.16	490-4613-2-ND	2,500	55.42/M	PVZ3G105C01R00
1.5M	490-4617-1-ND	.55	.94	8.16	490-4617-2-ND	2,500	55.42/M	PVZ3G155C01R00
2.2M	490-4622-1-ND	.53	.89	7.78	490-4622-2-ND	2,500	53.00/M	PVZ3G225C01R00

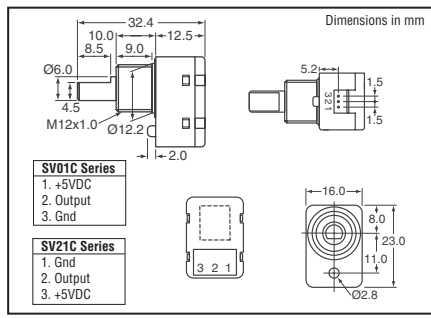
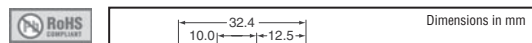
Angle Sensing Potentiometer Dust-Proof Type 12mm SV01 Series



Features: • Dust-proof construction • Compliant to high peak temperature reflow soldering • Excellent resistance materials and high reliability wiper achieves 1M cycles • D formation thru-hole rotor enables to select any kind of gear shape • Ultra-thin size (2.1mm height) • Gold plated terminals without lead

Total Resistance Value (kΩ) ±30%	Linearity ± (%)	Effective Rotational Angle (°) (Ref.)	TCR ± ppm/°C	Rotational Life (Cycles)	Mounting Style	Digi-Key Part No.	1	Pricing 10	100	Murata Part No.
10	2	333.3	500	1M	SMD	490-2400-ND	1.20	10.87	101.31	SV01A103AEA01B00
10	2	333.3	500	1M	Thru-Hole	490-3913-ND	1.27	11.52	107.39	SV01L103AEA11T00

Rotary Position Sensors SV01C Potentiometer and Non-Contacting SV21C Series



Features:
SV01C Series: • Dust-proof construction • Temperature compensate range -40°C ~ 85°C • Optimal connector: Connector socket and bushing mount
SV21C Series: • Non-contacting • Programmable hole IC can be available for optional output voltage curve • Dust-proof construction • Temperature compensate range -20°C ~ 85°C • Optimal connector: Connector socket and bushing mount

Total Resistance Value (kΩ) ±30%	Action Voltage ±0.5VDC	Linearity ± (%)	Effective Rotational Angle (°) Max.	Rotational Torque Max.	Rotational Life Cycles	Digi-Key Part No.	1	10	100	Murata Part No.	
SV01C Series											
10	5	3	333.3	4mN-m (Ref.; 40gf-cm)	1M	490-4674-ND	6.05	5.50	5.13	SV01C103BJAE00	
SV21C Series											
—	5	2	200	5mN-m (Ref.; 50gf-cm)	10M	490-4635-ND	35.75	32.50	30.29	SV21C201BJA01B00	

See Below for JST Mating Connector



Mating Connector, Contact and Crimp Tool

Description	Digi-Key Part No.	10	Pricing 100	500	Tape and Reel† Pricing	JST Part No.
3-Position, 1.5mm, Disconnectable Crimp Style ZH Connector	455-1160-ND	—	.39	3.24	12.94	—
26-28AWG Tin-Plated Phosphor Bronze Crimp Contact	455-1130-1-ND	—	1.35	5.41	13,000	7.20/M
28-32AWG Tin-Plated Phosphor Bronze Crimp Contact	455-1281-1-ND	—	1.35	5.41	16,000	7.20/M
Crimp Tool with Die for 26-28AWG Contacts	455-1131-ND	—	419.19/1	—	—	WC-491
Crimp Tool with Die for 28-32AWG Contacts	455-1259-ND	—	419.19/1	—	—	WC-490

◆ RoHS Compliant † For Tape and Reel part number, change 1-ND to 2-ND. Δ Cut Tape

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.

More Product Available Online: www.digikey.com

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