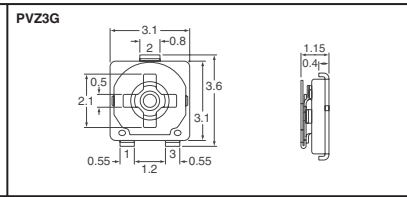
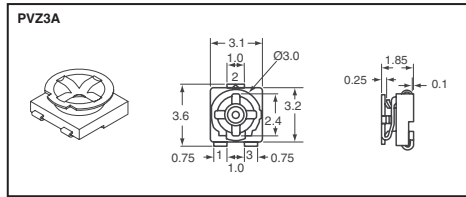


Features: • Excellent solderability characteristics are achieved via special plating techniques on each termination • Specially designed substrate prevents wicking of flux onto the top of the part body • Enlarged bottom termination enhance soldering strength while reducing the necessary land area required 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	.40	.68	5.92	—	—	—	PVZ3A301A01R00
300k	490-2026-1-ND	.40	.68	5.92	2,000	40.66/M	—	PVZ3A304A01R00
2M	490-2022-1-ND	.40	.68	5.92	—	—	—	PVZ3A205A01R00
PVZ3G Series								
220	490-4618-1-ND	.40	.68	5.92	490-4618-2-ND	2,500	40.24/M	PVZ3G221C01R00
330	490-4623-1-ND	.40	.68	5.92	490-4623-2-ND	2,500	40.24/M	PVZ3G331C01R00
470	490-4627-1-ND	.45	.76	6.62	490-4627-2-ND	2,500	44.97/M	PVZ3G471C01R00
680	490-4631-1-ND	.40	.68	5.92	490-4631-2-ND	2,500	40.24/M	PVZ3G681C01R00
1k	490-4610-1-ND	.45	.76	6.62	490-4610-2-ND	2,500	44.97/M	PVZ3G102C01R00
1.5k	490-4614-1-ND	.40	.68	5.92	490-4614-2-ND	2,500	40.24/M	PVZ3G152C01R00
2.2k	490-4619-1-ND	.49	.83	7.25	490-4619-2-ND	2,500	49.23/M	PVZ3G222C01R00
3.3k	490-4624-1-ND	.40	.68	5.92	490-4624-2-ND	2,500	40.24/M	PVZ3G332C01R00
4.7k	490-4628-1-ND	.49	.83	7.25	490-4628-2-ND	2,500	49.23/M	PVZ3G472C01R00

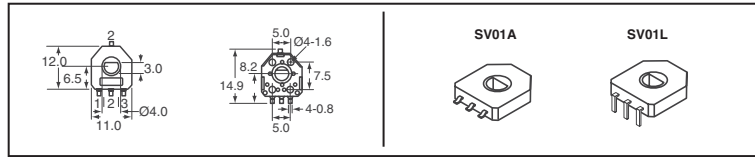
Total Resistance Value (Ω) ±30%	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		Murata Part No.
		5	10	100		Qty.	Pricing	
6.8k	490-4632-1-ND	.40	.68	5.92	490-4632-2-ND	2,500	40.24/M	PVZ3G682C01R00
10k	490-4611-1-ND	.73	1.23	10.75	490-4611-2-ND	2,500	73.02/M	PVZ3G103C01R00
15k	490-4615-1-ND	.41	.70	6.15	490-4615-2-ND	2,500	41.78/M	PVZ3G153C01R00
22k	490-4620-1-ND	.40	.68	5.92	490-4620-2-ND	2,500	40.24/M	PVZ3G223C01R00
33k	490-4625-1-ND	.45	.76	6.62	490-4625-2-ND	2,500	45.02/M	PVZ3G333C01R00
47k	490-4629-1-ND	.49	.83	7.25	490-4629-2-ND	2,500	49.23/M	PVZ3G473C01R00
68k	490-4633-1-ND	.40	.68	5.92	490-4633-2-ND	2,500	40.24/M	PVZ3G683C01R00
100k	490-4612-1-ND	.36	.62	5.40	490-4612-2-ND	2,500	37.03/M	PVZ3G104C01R00
150k	490-4616-1-ND	.40	.68	5.92	490-4616-2-ND	2,500	40.24/M	PVZ3G154C01R00
220k	490-4621-1-ND	.40	.68	5.92	490-4621-2-ND	2,500	40.24/M	PVZ3G224C01R00
330k	490-4626-1-ND	.40	.68	5.92	490-4626-2-ND	2,500	40.24/M	PVZ3G334C01R00
470k	490-4630-1-ND	.49	.83	7.25	490-4630-2-ND	2,500	49.23/M	PVZ3G474C01R00
680k	490-4634-1-ND	.40	.68	5.92	490-4634-2-ND	2,500	40.24/M	PVZ3G684C01R00
1M	490-4613-1-ND	.40	.68	5.92	490-4613-2-ND	2,500	41.78/M	PVZ3G105C01R00
1.5M	490-4617-1-ND	.40	.68	5.92	490-4617-2-ND	2,500	40.24/M	PVZ3G155C01R00
2.2M	490-4622-1-ND	.38	.65	5.65	490-4622-2-ND	2,500	38.48/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	.87	7.89	73.55	SV01A103AEA01B00
10	2	333.3	500	1M	Thru-Hole	490-3913-ND	.92	8.36	77.97	SV01L103AEA11T00

Rotary Position Sensors SV01C Potentiometer and Non-Contacting SV21C Series



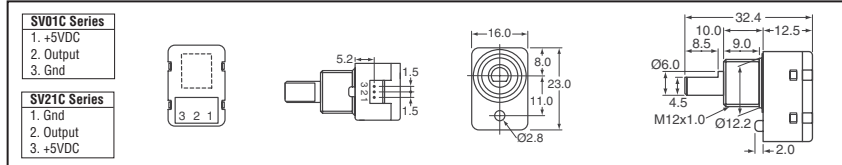
Features:

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.	Price Each			Murata Part No.
							1	10	100	
SV01C Series										
10	5	3	333.3	4mN·m (Ref.; 40gf·cm)	1M	490-4674-ND	4.39	4.00	3.73	SV01C103BJZAE00
SV21C Series										
—	5	2	200	5mN·m (Ref.; 50gf·cm)	10M	490-4635-ND	25.95	23.60	22.00	SV21C201BJA01B00

See Below for JST Mating Connector

JST Mating Connector, Contact and Crimp Tool

Description	Digi-Key Part No.	Pricing			Digi-Key Part No.	Tape and Reel		JST Part No.
		10	100	500		Qty.	Pricing	
3-Position, 1.5mm, Disconnectable Crimp Style ZH Connector	455-1160-ND◆	.30	2.47	9.87	—	—	—	ZHR-3
26-28AWG Tin-Plated Phosphor Bronze Crimp Contact	455-1130-1-ND◆▲	—	1.03	4.12	455-1130-2-ND	13,000	5.49/M	SZH-002T-P0.5
28-32AWG Tin-Plated Phosphor Bronze Crimp Contact	455-1281-1-ND◆▲	—	1.03	4.12	455-1281-2-ND	16,000	5.49/M	SZH-003T-P0.5
Crimp Tool with Die for 26-28AWG Contacts	455-1131-ND	—	319.55/1	—	—	—	—	WC-491
Crimp Tool with Die for 28-32AWG Contacts	455-1259-ND	—	319.55/1	—	—	—	—	WC-490

◆ RoHS Compliant ▲ 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.

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