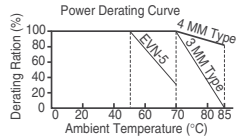
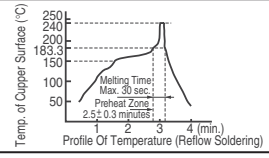
Panasonic®

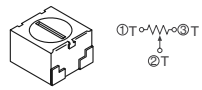
Surface Mount Trimmer Potentiometers



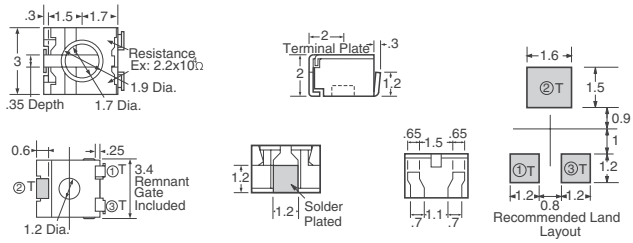


Profile for Reflow Soldering
Pre-Heat: 130°C ~ 160°C
Melting Temp.: TM = 183.3°C
Peak Time: Tp ≤ 240°C
Melting Temp.: TM ≤ 30s
Solder: Eutectic
Flux: Rosin Flux

Series P7J – Panasonic Series #EVM-7JSX30BXX

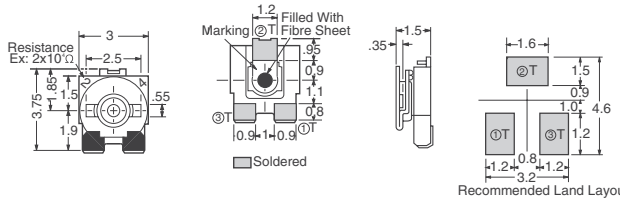


Features: • 3mm sealed type for flow and reflow soldering • Labor cost saving filmless sealed construction; **Resistance Range:** 330-470K; **Tolerance:** ±25%; **Taper:** Linear; **Power Rating:** .05W; **Adjustment Angle:** 260 ±20; **Rotation Torque:** 10-150 gF; **Operating Temperature:** -40°C ~ 100°C; **Temperature Coefficient:** ±250 ppm/C (-20°C ~ 85°C); **Rotation Life:** 10; **Soldering Heat:** 250°C 10s/260°C 5s



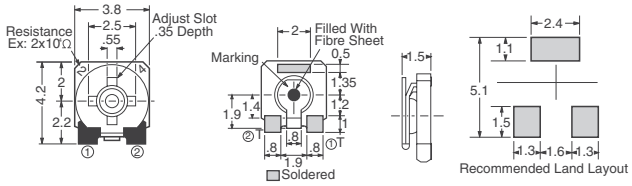
Series P1S – Panasonic Series #EVM-1SSX50BXX

Features: • 3mm open frame type for reflow soldering • Excellent mounting efficiency; **Resistance Range:** 220-1.0MΩ; **Tolerance:** ±25%; **Taper:** Linear; **Power Rating:** .15W; **Adjustment Angle:** 260 ±20; **Rotation Torque:** 20-200 gF; **Operating Temperature:** -40°C ~ 100°C; **Temperature Coefficient:** ±250 ppm/C (-20°C ~ 85°C); **Rotation Life:** 20; **Soldering Heat:** 260°C 10s



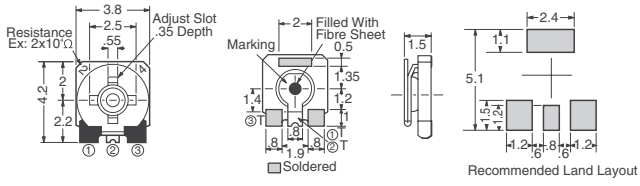
Series P1G – Panasonic Series #EVM-1GSX30BXX

Features: • 4mm open frame type for reflow soldering • Two terminal construction; **Resistance Range:** 220-1.0MΩ; **Tolerance:** ±25%; **Taper:** Linear; **Power Rating:** .2W; **Adjustment Angle:** 260 ±20; **Rotation Torque:** 20-200 gF; **Operating Temperature:** -40°C ~ 100°C; **Temperature Coefficient:** ±250 ppm/C (-20°C ~ 85°C); **Rotation Life:** 20; **Soldering Heat:** 260°C 10s



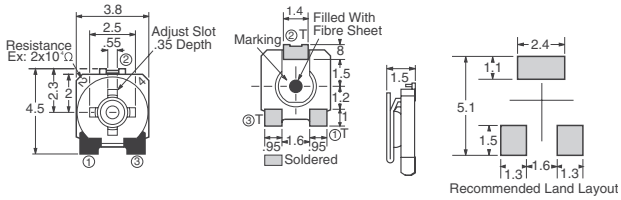
Series P1E – Panasonic Series #EVM-1ESX30BXX

Features: • 4mm open frame type for reflow soldering • Inline terminal construction; **Resistance Range:** 220-1.0MΩ; **Tolerance:** ±25%; **Taper:** Linear; **Power Rating:** .2W; **Adjustment Angle:** 260 ±20; **Rotation Torque:** 20-200 gF; **Operating Temperature:** -40°C ~ 100°C; **Temperature Coefficient:** ±250 ppm/C (-20°C ~ 85°C); **Rotation Life:** 20; **Soldering Heat:** 260°C 10s

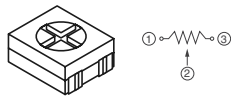


Series P1D – Panasonic Series #EVM-1DSX30BXX

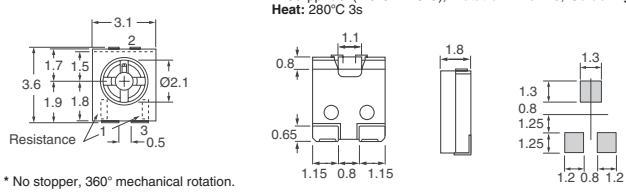
Features: • 4mm open frame type for reflow soldering • Triangle terminal construction; **Resistance Range:** 220-1.0MΩ; **Tolerance:** ±25%; **Taper:** Linear; **Power Rating:** .2W; **Adjustment Angle:** 260 ±20; **Rotation Torque:** 20-200 gF; **Operating Temperature:** -40°C ~ 100°C; **Temperature Coefficient:** ±250 ppm/C (-20°C ~ 85°C); **Rotation Life:** 20; **Soldering Heat:** 260°C 10s



Series P5C – Panasonic Series #EVN-5CSX50BXX*
Series P5E – Panasonic Series #EVN-5ESX50BXX



Features: • 3mm carbon dust proof type for reflow soldering • Excellent mounting efficiency for pick and place assembly; • Rotation stopper feature (EVN-5E); **Resistance Range:** 500-1MΩ; **Tolerance:** ±30%; **Taper:** Linear; **Power Rating:** .05W @50C; **Adjustment Angle:** 260 ±20; **Rotation Torque:** 10-150 gF; **Operating Temperature:** -20°C ~ 70°C; **Temperature Coefficient:** ±500 ppm/C(25°C ~ 70°C) / ±750 ppm/C (-20°C ~ 25°C); **Rotation Life:** 20; **Soldering Heat:** 280°C 3s



* No stopper, 360° mechanical rotation.

Digi-Key Part No.	Cut Tape Pricing 1	10	100	Digi-Key Part No.	Tape & Reel Pricing 1,000	2,000	Panasonic Part No.
P7J□□□CT-ND†	.44	4.11	33.76	P7J□□□TR-ND†	263.75	—	EVM-7JSX30BXX*
P1S□□□CT-ND†	.32	3.00	24.64	P1S□□□TR-ND†	—	192.50/M	EVM-1SSX50BXX*
P1G□□□CT-ND†	.31	2.85	23.36	P1G□□□TR-ND†	182.50	—	EVM-1GSX30BXX*
P1E□□□CT-ND†	.54	4.50	41.40	P1E□□□TR-ND†	277.00	—	EVM-1ESX30BXX*
P1D□□□CT-ND†	.50	4.13	37.95	P1D□□□TR-ND†	254.00	—	EVM-1DSX30BXX*
P5C□□□CT-ND†◆	.31	2.55	23.46	P5C□□□TR-ND†◆	—	157.00/M	EVN-5CSX50BXX*
P5E□□□CT-ND†◆	.28	2.35	21.62	P5E□□□TR-ND†◆	—	145.00/M	EVN-5ESX50BXX*

◆ ***RoHS Compliant*** * For assistance with Panasonic Part Number please call Digi-Key.
† For complete number, substitute corresponding code (from chart) for □□□.

Digi-Key® SMT Trimmer Potentiometers Kits
P1E-KIT-ND 10 each of Series P1E, values 100 - 1.0M (130 pieces) **$43.95**
P1D-KIT-ND 10 each of Series P1D, values 100 - 1.0M (130 pieces) **$43.95**

Code Resistance Value For P7J Series

Code (Value)	Code (Value)	Code (Value)	Code (Value)	Code (Value)	Code (Value)
331 (330)	332 (3.3K)	333 (33K)	224 (220K)	334 (330K)	474 (470K)

Code Resistance Value For P1 / P5C Series

Code (Value)	Code (Value)	Code (Value)	Code (Value)	Code (Value)	Code (Value)	Code (Value)
201 (200)	501 (500)	102 (1.0K)	202 (2.0K)	502 (5.0K)	103 (10K)	203 (20K)
503 (50K)	104 (100K)	204 (200K)	504 (500K)	105 (1.0M)		

Code Resistance Value For P5E Series

Code (Value)	Code (Value)	Code (Value)	Code (Value)	Code (Value)	Code (Value)	Code (Value)
501 (500)	102 (1K)	202 (2K)	502 (5K)	103 (10K)	203 (20K)	503 (50K)
104 (100K)	204 (200K)	504 (500K)	105 (1M)			

(Continued)

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