

Product Chart of Trimmer Potentiometers

Size	2 mm Square Open	3 mm Square Open	4 mm Square Open	6 mm Square Dustproof Radial Taping		
Applicable Part Numbers	EVM2G (low-profile) EVM2N (low-profile) EVM2W (low-profile)	EVM3G, EVM3E EVM3Y, EVM3S EVM3R (low-profile) EVM3W (low-profile) EVM3V (with rotation stopper)	EVM1D EVM1E EVM1U	EVMAAS EVMAAG (bulk) EVMAHG (bulk) EVMAJG (bulk) EVMAAG (bulk)	EVMAES EVMAEG (bulk)	
Total Resistance Value and Tolerance	100 Ω to 1 MΩ ±25 %	• EVM2G, 3G 100 Ω to 1 MΩ ±20 %	• EVM3R 500 Ω to 1 MΩ ±25 %	100 Ω to 1 MΩ ±25 %	10 Ω to 500 Ω ±25 %	
Taper	B					
Power Rating and Limiting Element Voltage	0.15 W(70 °C) 50 V		0.2 W(70 °C) 50 V	0.3 W(70 °C) 100 V	0.5 W(70 °C) √P·R	
	For potentiometers operated in ambient temperatures above 70 °C, power rating shall be derated in accordance with the figure on the right.			<p>Power Derating Curve</p>		
Category Temperature Range	-40 to +100 °C					
Sliding Noise	5 % max.					
Temperature Coefficient of Resistance	±250 × 10 ⁻⁶ /°C			±200 × 10 ⁻⁶ /°C	·10 Ω ≤ R ≤ 20 Ω ±200 × 10 ⁻⁶ /°C ·20 Ω < R ≤ 200 Ω ±150 × 10 ⁻⁶ /°C ·200 Ω < R ≤ 500 Ω ±100 × 10 ⁻⁶ /°C	
Electrically Effective Range	·EVM2G 300 °±20 ° ·EVM2N, EVM2W 260 °±20 °	·EVM3G 300 °±20 ° ·EVM3E, 3Y, 3S, 3R 260 °±20 ° ·EVM3W, EVM3V 240 °±20 °	260 °±20 °	220 °±20 ° 240 °±20 ° (Total Mechanical Range)		
Rotation Torque	·EVM2G, EVM2N 0.5 to 10 mN·m ·EVM2W 1 to 15 mN·m	·EVM3G, 3E, 3Y, 3S, 3W 2 to 20 mN·m ·EVM3R 1 to 20 mN·m ·EVM3V 2 to 10 mN·m	2 to 20 mN·m	2 to 30 mN·m		
Stopper Strength	-			50 mN·m min.		
Resistance to Soldering Heat	-			260±5 °C 5±1 s		
Applicable Soldering	Reflow			Flow		
Resistance to Damp, Heat 60 °C 90 to 95 %RH	After 500 h ±5 %			After 1000 h		
Resistance to Heat 70 °C				After 1000 h		
Endurance (Under Damp, Load) 60 °C 90 to 95 %RH				R ≥ 500 Ω ±3 % 100 Ω ≤ R < 500 Ω ±5 %		±5 %
Endurance (Under Damp, Load) 70 °C						
Endurance (Sliding)	·EVM2G, EVM2N 10 cycles ±15 % ·EVM2W 20 cycles ±15 %	·EVM3G, EVM3E, EVM3Y, EVM3S, EVM3W, EVM3V, EVM1D, EVM1E, EVM1U 20 cycles ±15 % ·EVM3R 10 cycles ±15 %	50 cycles ±10 %			