



CHIP TRIMMER POTENTIOMETER

Carbon Chip Trimmer Potentiometer **POZ2** Series

muRata

Ultra thin 1.0mm max. height ! Surface mount with 2mm package achieve excellent performances.

■FEATURES

1. Ultra-small and thin external dimensions of 2.1(W) × 2.7(L) × 1.0max.(T)mm.
2. Au plated termination achieve a high density P.C.B. mounting.
3. Cross-shaped driver slot allows for in-process automatic adjustment and it provides superior adjustability.
4. Two pieces parts construction achieve low cost and excellent quality.
5. Special resin substrate allow high peak temperature for reflow soldering.

■APPLICATIONS

Pick-up module, LCD, Cellular-phone, PHS, Pagers, DVC, Digital camera, Portable audio, etc

■PART NUMBERING

(Please specify the part number when ordering.)

(Ex.) **POZ2** **AN** - **1** - **103** **N** - **T00**

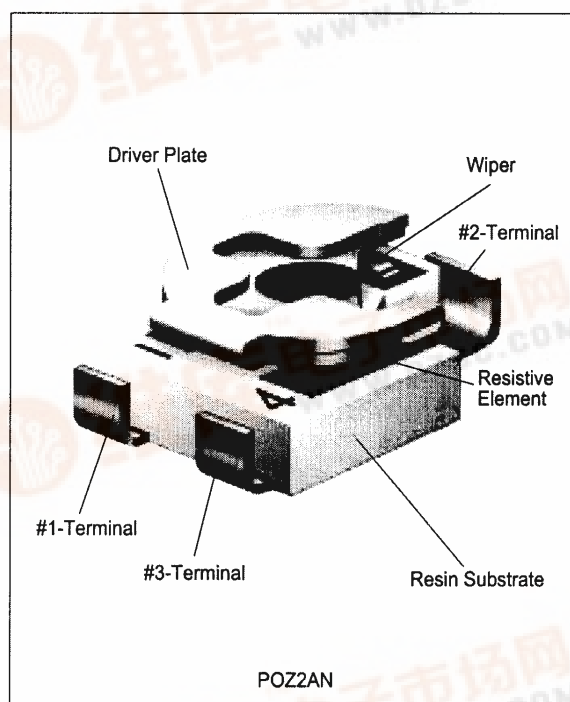
- ① Model number
② Figure number AN : Top adjustment
③ Options 1 : Standard
④ Resistance code
⑤ Total resistance tolerance N : ±30%
⑥ Packaging code
Taping : T00.....3,000pcs./reel (180mm dia.)
Bulk : No codes...1,000pcs./bag

■RATINGS

Item	POZ2
Standard Total Resistance Range	500Ω to 1MΩ
Total Resistance Tolerance	±30% of standard total resistance value
Taper	B (Linear)
Power Rating	1/10W (50℃)
Max. Working Voltage	50Vdc
Operating Temperature Range	-25℃ to +85℃
Rotational Torque	1.0-14.7mNm (10-150gf·cm)
Effective Rotational Angle	240°±10°

■OTHERS

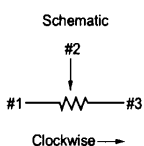
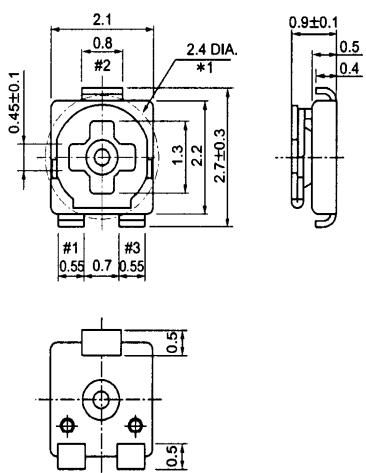
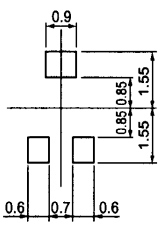
- See pages 43 to 44 for Notice
- See page 45 for test methods



■ENVIRONMENTAL CHARACTERISTICS

Item	POZ2
Humidity Exposure	Res. Change : +10, -2%
High Temperature Exposure	Res. Change : R≤100kΩ...+2, -10% 100kΩ<R...+2, -15%
Humidity Load Life	Res. Change : ±10%
Load Life	Res. Change : R≤100kΩ...+2, -10% 100kΩ<R...+2, -15%
Temperature Cycle	Res. Change : ±5%
Temperature Coefficient of Resistance	±500ppm/℃
Rotational Life	Res. Change : ±10% (10 cycles)

PART NUMBER TABLE

Standard Total Resistance Values	Model Number
	Top adjustment  POZ2AN Series
500Ω	POZ2AN-1-501N
1kΩ	POZ2AN-1-102N
2kΩ	POZ2AN-1-202N
3kΩ	POZ2AN-1-302N
5kΩ	POZ2AN-1-502N
10kΩ	POZ2AN-1-103N
20kΩ	POZ2AN-1-203N
30kΩ	POZ2AN-1-303N
50kΩ	POZ2AN-1-503N
100kΩ	POZ2AN-1-104N
200kΩ	POZ2AN-1-204N
300kΩ	POZ2AN-1-304N
500kΩ	POZ2AN-1-504N
1MΩ	POZ2AN-1-105N
Outline dimensions  [in mm Standard tolerance : ±0.2]	 *1. Driver Plate Rotation Area:
Standard PCB layout [in mm Standard tolerance : ±0.1]	

* E6 resistance values are also available.