

**SMD Trimmers**

**type 3165 series**

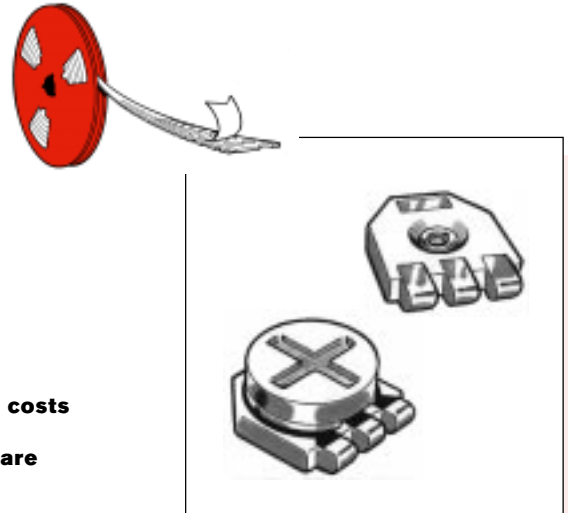
These cermet element surface mount trimmers feature a cross slot adjustment head for an unbroken perimeter to enable easy vacuum pick-up and auto adjustment. The 3165 series is available in two or three terminal styles. These trimmers are supplied in 12mm blister tape and are suitable for all reflow soldering processes. The 3165 is readily available from within our extensive distribution network.

Packaging:  
800 Pieces (7" Reel)

Please Request Full Data  
Sheet F0712

**Key features**

- in line terminals
- stable cermet element
- choice of orientation
- only 0.2 grams
- cross slot adjustment style
- low price reduces production costs
- compact size - only 4mm square
- 2 and 3 terminal options



**Specification**

**Electrical**

Resistance Range: 100R to 1M (1, 2, 5, in each decade)  
 Resistance Tolerance: ± 25%  
 Temperature Coefficient: ± 250ppm°C  
 Operating Voltage: 50V DC or AC RMS; maximum  
 Contact Resistance Variation: 5% of nominal, maximum  
 Power Rating: 0.15 watts at 70°C derating to zero at 85°C  
 Effective Electrical Angle: 250° ±10°

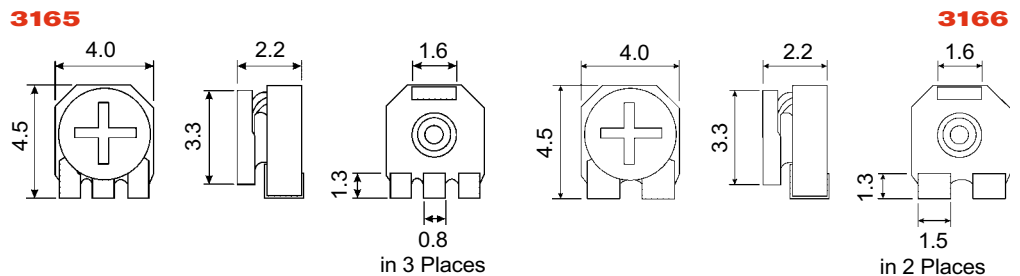
**Mechanical**

Rotational Torque: 2 - 20mNm  
 Mechanical Adjustment: Continuous

**Environmental**

Temperature Range: - 25°C to +85°C  
 Rotational Life: 20 cycles ΔR < 15%  
 Load Life: ΔR < 5% after 1000 hours  
 Soldering Heat: 250°C 10 seconds, 260°C 5 seconds

**Dimensions**



**How To Order**

Common Part	Orientation	Resistance Value	Tolerance
3165 - 3 Terminals in line top adjust	W - Terminals towards sprocket holes	The first two digits are significant figures of resistance value and the third one denotes the number of zeros following	P - ± 25%
3166 - 2 Terminals top adjust			

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