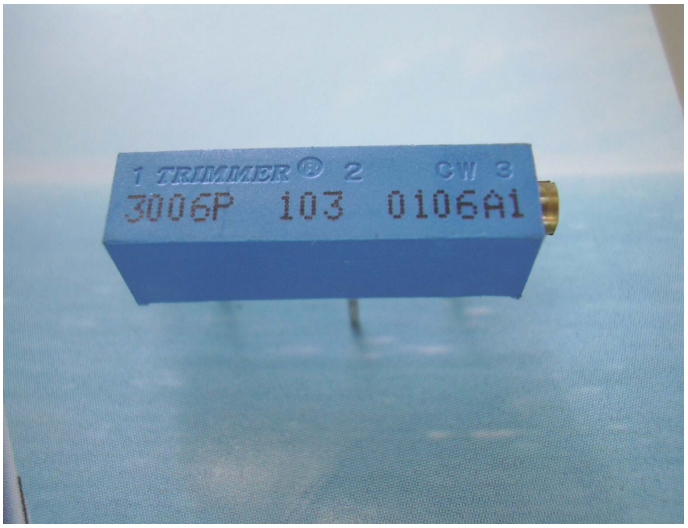
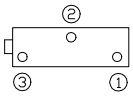
Electron

3006

MULTITURN CERMET TRIMMERS



■LIST OF PART NUMBERS

Adjustement position	Shape of terminal (Top view)	Form of packaging Rail Tube	Piece in package
Side adjustement (⇧adjustment Direction)		3006P	25 pcs./pack

■FEATURES

- MULTITURN / CERMET / INDUSTRIAL / SEALED
- WIDE OPERATING TEMPERATURE RANGE
- GOOD STABILITY
- LOW TEMPERATURE COEFFICIENT
- WIDE OHMIC RANGE

■COMPLIANCE APPROVAL

National standard= GB/TI5298-94
Enterprise Standard= Q/RY256-2000
National Military Standard= GJB918-90
WI Cermet Trimming Potentiometer Military Production Line
Certificate No.= COC-L-136-2000
Quality Standard = idt ISO 9001:2000 - GB/T 19001-9002

■PART NUMBER DESIGNATION

3006 P – 105 – LF

- 3006: Series name
- P: Product shape
- 105: Resistance
- LF: Lead Free

P : Side adjustment - horizontal position case - not in line pins

Electron is a brand of
Believe S.r.l.
Via Lago di Trasimeno, 21 I-36015 Schio VI Italy
Phone +39 0445 579035 Fax +39 0445 575708
Email: info@believe.it

Specifications are subject to change without notice. Specifications in this data sheet are for reference .

Electron 3006

MULTITURN CERMET TRIMMERS

■ELECTRICAL CHARACTERISTICS

Nominal resistance range	10 Ω ~ 2 MΩ
Nominal resistance tolerance	±10% Tighter tolerance available
Power ratings	0.5 W (70°C)
Resistance law	Linear law
Maximun input voltage	DC 315 V
Maximun wiper current	50 mA
Effective electrical turn	≤ 22 TURNS
End resistance	≤1% or 2 Ω max Whichever is grate
C.R.V.	≤ 3% or 3 Ω max Whichever is grate
Operating temp. range	-55 ~ + 125 °C
Temp. coefficent	10 Ω ~ 20Ω ± 250 ppm/°C
Insulation resistance	1000 MΩ minimun (DC 500V)
Dielectric strenght	101,3kpa,450Vac;8,5kpa,300Vac
Net Weight	Approx. 1,1 gr.

■MECHANICAL CHARACTERISTICS

Mechanichal turn	22 ± 2 TURNS
Operating torque	15 mN . m(153 gf.cm)
Mechanical stop	Clutch action
Rotational life	200 cycles[ΔR/R ≤ 3 %]
Terminal Strenght	5 N minimun tensile strenght
Thrust to shaft	5 N maximun
Solderability	235 °C for 2 sec.

<Nominal resistance values>

10Ω	20Ω	50Ω	100Ω	200Ω	500Ω	1KΩ	2KΩ	5KΩ
10KΩ	20KΩ	50KΩ	100KΩ	200KΩ	500KΩ	1MΩ	2MΩ	

■ENVIROMENTAL CHARACTERISTICS

Test item	Test condictions	Specifications
Thermal shock	-55 ~ 125 ° C (0,5 h) , 5 cycles	ΔR/R ≤ 2% S.S ≤ 1%
Humidity	-10~65°C(-80~98 RH) 10 cycles , 240 h	ΔR/R ≤ 3% S.S ≤ 1%
Shock	390 m/ s², 6ms 6 direction for 3 times each	ΔR/R ≤ 1% S.S ≤ 2%
Vibration	Amplitude of 0,75mm or Acceleration of 98 m/s², 10~500 hz, 3 direction.	
Load life	70°C, 0.5W, 1000 h	ΔR/R ≤ 3% S.S ≤ 3%
Low temp.operation	- 55° C 2 h	ΔR/R ≤ 2% S.S ≤ 1%
High temp.operation	125° C 1000 h	ΔR/R ≤ 2% S.S ≤ 1%
Immersion seal	85° C 60 s	No leacks
Soldering heat	350° C 3 s	ΔR/R ≤ 3%

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lead-free RoHS

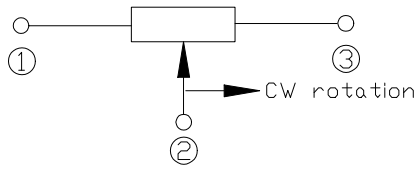
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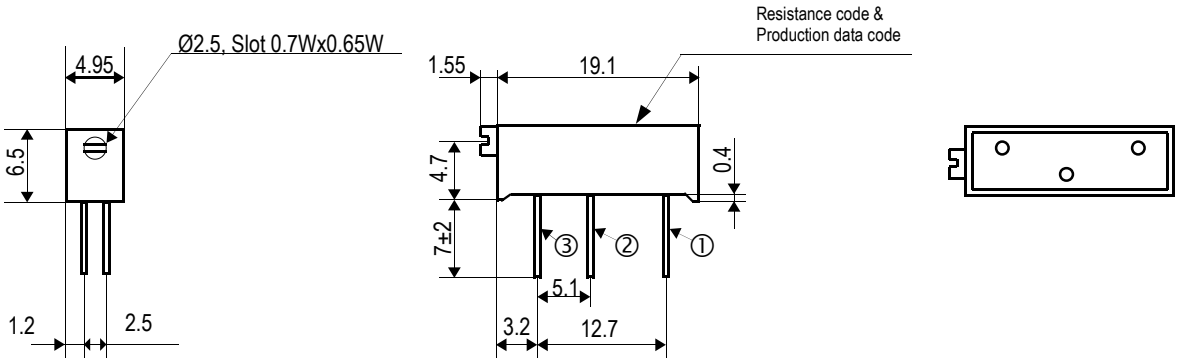
MULTITURN CERMET TRIMMERS

■OUTLINE DIMENSIONS

Unless otherwise specified, tolerance:0,3

3006P Side adjustment





■PACKAGING SPECIFICATIONS

UNIT OF TUBE EACH 25 PCS
UNIT OF BOX 1000 PCS
UNIT OF CARTON 10.000 PCS

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