

## MULTITURN CERMET TRIMMERS

### ■ LIST OF PART NUMBERS



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

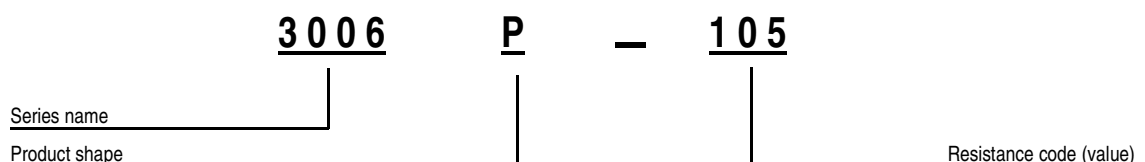
### ■ FEATURES

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

### ■ COMPLIANCE APPROVAL

National standard= GB/T15298-94  
 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



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  
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## 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. coefficient	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

Mechanical 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 condicions	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/ s <sup>2</sup> , 6ms 6 direction for 3 times each	ΔR/R ≤ 1% S.S ≤ 2%
Vibration	Amplitude of 0,75mm or Acceleration of 98 m/s <sup>2</sup> , 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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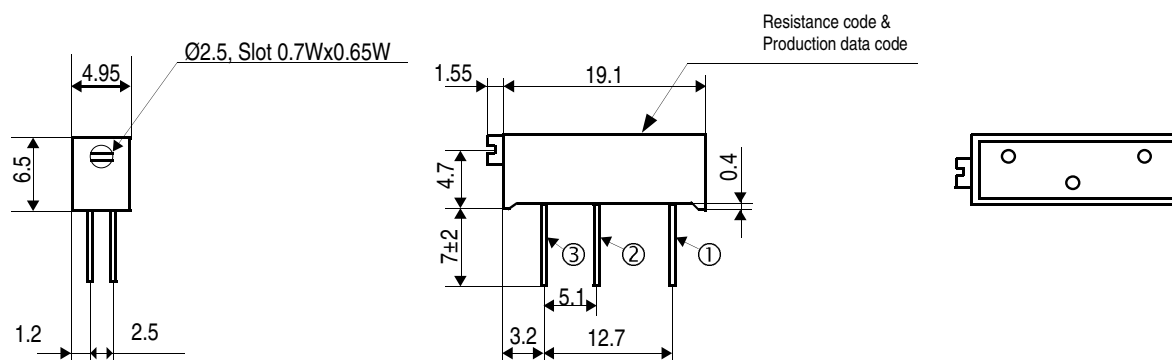
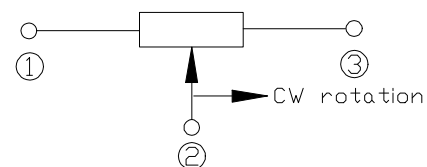
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## MULTITURN CERMET TRIMMERS

### ■ OUTLINE DIMENSIONS

#### 3006P Side adjustment

Unless otherwise specified, tolerance:0,3



### ■ PACKAGING SPECIFICATIONS

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

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