

Features

3006

- 3/4 "Rectangular / Multiturn / Cermet / Industrial / Sealed
- Low PC board profile only 1/4 "high
- Panel mount option available

Product Dimensions

Common Dimensions

 Transparent housing available, can be set visually without hook-up and instrumentation ("P" style only)

Trimpot[®] Trimming Potentiometer

- RoHS compliant* version available
- For trimmer applications/processing guidelines, <u>click here</u>

Additional Information

Click these links for more information:

)	
PRODUCT SELECTOR	TECHNICAL LIBRARY	INVENTORY	<u>SAMPLES</u>	<u>CONTACT</u>

Electrical Characteristics

Standard Resistance Range			
(see standard resistance table)			
Resistance Tolerance±10 % std.			
(tighter tolerance available)			
Absolute Minimum Resistance			
(whichever is greater)			
Contact Resistance Variation			
1.0 % or 1 ohm max.			
(whichever is greater)			
Adjustability			
Voltage±0.01 %			
Resistance±0.05 %			
ResolutionInfinite			
Insulation Resistance 500 VDC			
1,000 megohms min.			
Dielectric Strength			
Sea Level1,000 VAC			
80,000 Feet250 VAC			
Adjustment Angle15 turns nom.			

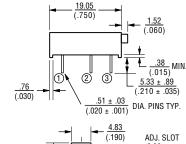
Environmental Characteristics

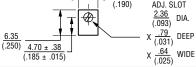
Power Rating (400 volts max.)		
70 °C 0.75 watt		
125 °C 0 watt		
Temperature Range55 °C to +125 °C		
Temperature Coefficient ±100 PPM/°C		
Seal Test85 °C		
Humidity MIL-STD-202 Method 103		
96 hours		
(3 % ∆TR, 20 Megohms IR)		
Vibration 20 G (2 % ΔTR; 2 % ΔVR)		
Shock50 G (2 % ΔTR; 2 % ΔVR)		
Load Life 1,000 hours 0.75 watt 70 °C		
(4 % ΔTR)		
Rotational Life200 cycles		
(3 % ∆TR; 1 % or 1 ohm,		
whichever is greater, CRV)		



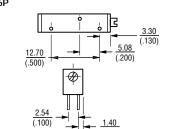
*RoHS Directive 2015/863, Mar. 31, 2015 and Annex "Trimpot" is a registered trademark of Bourns, Inc. Specifications are subject to change without notice.

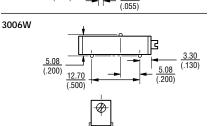
Users should verify actual device performance in their specific applications.

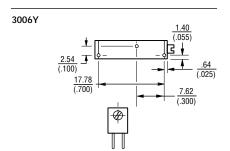










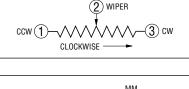


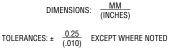
Physical Characteristics

Torque5	.0 oz-in. max.			
Mechanical Stops				
TerminalsSo				
Weight				
MarkingM	lanufacturer's			
trademark, res				
terminal numbe	rs, date code,			
manufacturer's r	nodel number			
	and style			
Wiper 50 % (Actu	ual TR) ±10 %			
Flammability	U.L. 94V-0			
Packaging				
Standard25	pcs. per tube			
3006W w/Panel Mount				
72				
Adjustment Tool H-90				
Storage Condition				
40 °C max. / 70) % R.H. max.			

How To Order

3006 P-1-103 Z L		
Model		
Style		
Standard or Modified Product Indicator -1 = Standard Product -7 = Transparent Housing		
Resistance Code		
Optional Suffix Letter Z = Panel Mount (Factory Installed)		
Terminations LF = 100 % Tin-plated (RoHS compliant) Blank = 90 % Tin / 10 % Lead-plated (Standard)		
Consult factory for other available options.		





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3006 – Trimpot[®] Trimming Potentiometer

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Standard Resistance Table

Resistance Code
100 200 500 101 201
501 102 202 502 103 203 253 503 104 204
254 504 105 205

Popular distribution values listed in **boldface**. Special resistances available.

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Americas: Tel: +1 951-781-5500 • Email: americus@bourns.com Mexico: Tel: +52-614-478-0400 • Email: mexicus@bourns.com Asia: Tel: +886-2-2562-4117 • Email: asiacus@bourns.com EMEA: Tel: +36 88 885 877 • Email: eurocus@bourns.com www.bourns.com

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