# MODEL 35

New Product 3 mm Single-Turn Open Frame Surface Mount **Cermet Trimming** 

Potentiometer

**RoHS Compliant** 



#### **MODELS AVAILABLE**

35W Top Adjust

## ELECTRICAL<sup>1</sup>

Resistance Range	100 to 1,000,000 Ohms
Standard Resistance Tolerance	$\pm$ 25%
Input Voltage, Maximum	50 V
Power rating, Watts	0.1 @ 70°C
End Resistance, Maximum	>1000 Ohms: 20 Ohms Max; > 1000 Ohms: 2% Max.
Actual Electrical Travel	220° ±20°
Mechanical Travel (35E)	280° ±20°
Insulation Resistance, Minimum	100 Megohms
Resolution	Essentially infinite
Contact Resistance Variation	5% Max.
Temperature Coefficient of Resistance	±250 ppm/°C

### MECHANICAL

Torque, Maximum (35W, 35C)	2.8 in. oz.
Torque, Maximum (35E)	1.4 in. oz.
Weight, Approx.	0.01 oz.
Wiper Position	Approx. 50%

**BI Technologies Corporation** 

4200 Bonita Place, Fullerton, CA 92835 USA

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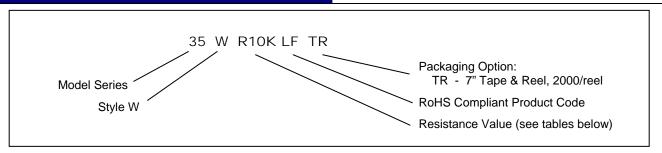
February 25, 2010 page 1 of 3

Specifications subject to change without notice.

#### **ENVIRONMENTAL**

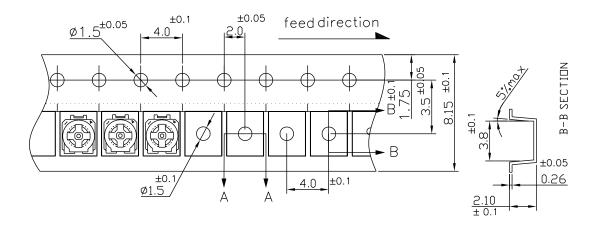
Operating Temperature Range	-40°C to +125°C
Rotational Life, 20 Cycles	±15% ΔR
Load Life, 0.1W, 1000 Hours, 70°C	±5% ΔR
Resistance to Solder Heat	260°C for 10 sec.
Aqueous cleaning not recommended	

#### ORDERING INFORMATION<sup>2</sup>



#### **CIRCUIT DIAGRAM**

#### **PACKAGING**



<sup>&</sup>lt;sup>2</sup> Contact our customer service for custom designs and features.

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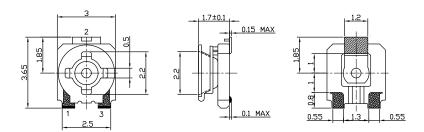


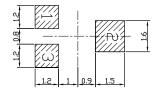
## STANDARD RESISTANCE VALUES

Resistance	
(ohms)	
100	
200	
500	
1K	
2K	
5K	
10K	
20K	
50K	
100K	
200K	
500K	
1MEG	

#### OUTLINE DRAWING<sup>3</sup>

#### Model 35W (Top Adjust)





Recommended land pattern

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<sup>&</sup>lt;sup>3</sup> Dimensions are mm.