

# POTENTIOMETERS

## 3296 CERMET TRIMMING POTENTIOMETER

### FEATURES

- Multiturn / Cermet/ Industrial&MIL / Sealed
- 5 Terminal Styles
- Tube and Bag packaging available
- High-Rel style 3296K GJB3015-97(MIL-R-39035)

### ELECTRICAL CHARACTERISTICS

Standard Resistance Range  
 .....100 ohms to 1 megohms  
 Resistance Tolerance.....  $\pm 10\%$  Std.  
 Absolute Minimum Resistance  
 ..... 1%R or 2 ohms Max.  
 Contact Resistance Variation  
 ..... 1%R or 3 ohms Max.  
 Insulation Resistance..... 100 Vdc  
 1,000 megohms Min.  
 Withstanding Voltage  
 .....640 Vdc or ac sea level  
 Effective Travel.....>70% total travel

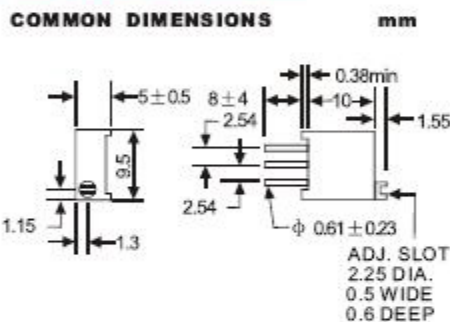
### ENVIRONMENTAL CHARACTERISTICS

Power Rating(315 Volts Max.)  
 70°C.....0.5Watt  
 125°C.....0Watt  
 Temperature Range  
 .....-55°C to +125°C  
 Temperature Coefficient.....250ppm/°C  
 Load Life  
 .....1,000 hours 0.5Watt at 70°C  
 (CRV  $\leq 3\%$ R or 5ohms)  
 Humidity.....96 hours  
 ( $\Delta R \leq \pm(10\%R + 0.5 \text{ ohms})$ , IR  $\geq 100$  megohms)  
 Rotation life.....200 Cycles  
 ( $\Delta R \leq \pm(10\%R + 0.5 \text{ ohms})$ ,  
 CRV  $\leq 3\%$ R or 5ohms)

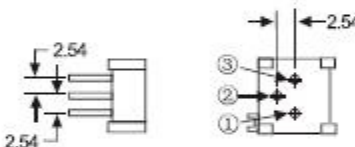
### PHYSICAL CHARACTERISTICS

Total Travel..... $28 \pm 2$  turns  
 Starting Torque.....35mN.m Max.  
 Terminals.....Solderable pins  
 Marking.....Resistance Code  
 Tolerance  
 Products Model & Style  
 Trademark  
 Standard Packaging.....50 PCS. Per tube  
 50 PCS. Per bag

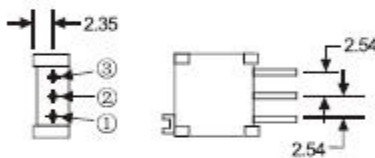
### PRODUCT DIMENSIONS



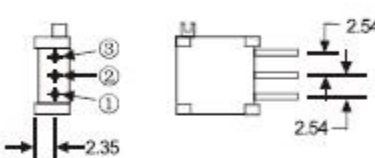
#### 3296P



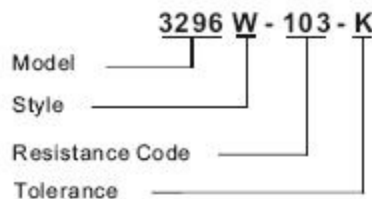
#### 3296W



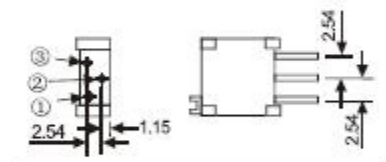
#### 3296X



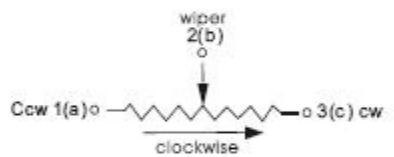
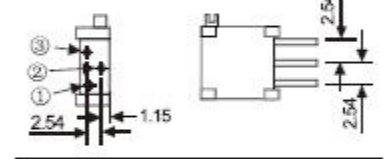
### HOW TO ORDER



#### 3296Y



#### 3296Z



### STANDARD RESISTANCE TABLE

Resistance (ohms)	Resistance Code
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105

Popular values listed in the table,  
 Special resistance available.