

Preset potentiometers

Order code	Manufacturer code	Description
68-0300	3296W-1-101	100 OHMS 3/8IN M/TURN CERMET
68-0305	3296W-1-201	200 OHMS 3/8IN M/TURN CERMET
68-0310	3296W-1-501	500 OHMS 3/8IN M/TURN CERMET
68-0315	3296W-1-102	1K 3/8IN M/TURN CERMET
68-0320	3296W-1-202	2K 3/8IN M/TURN CERMET
68-0325	3296W-1-502	5K 3/8IN M/TURN CERMET
68-0330	3296W-1-103	10K 3/8IN M/TURN CERMET
68-0335	3296W-1-203	20K 3/8IN M/TURN CERMET
68-0340	3296W-1-503	50K 3/8IN M/TURN CERMET
68-0345	3296W-1-104	100K 3/8IN M/TURN CERMET
68-0350	3296W-1-204	200K 3/8IN M/TURN CERMET
68-0355	3296W-1-504	500K 3/8IN M/TURN CERMET
68-0360	3296W-1-105	1M 3/8IN M/TURN CERMET
68-0380	3296X-1-101	100R 3296X SERIES TRIMMER
68-0382	3296X-1-201	200R 3296X SERIES TRIMMER
68-0384	3296X-1-501	500R 3296X SERIES TRIMMER
68-0386	3296X-1-102	1K 3296X SERIES TRIMMER
68-0388	3296X-1-202	2K 3296X SERIES TRIMMER
68-0390	3296X-1-502	5K 3296X SERIES TRIMMER
68-0392	3296X-1-103	10K 3296X SERIES TRIMMER
68-0394	3296X-1-203	20K 3296X SERIES TRIMMER
68-0396	3296X-1-503	50K 3296X SERIES TRIMMER
68-0398	3296X-1-104	100K 3296X SERIES TRIMMER
68-0400	3296X-1-204	200K 3296X SERIES TRIMMER
68-0402	3296X-1-504	500K 3296X SERIES TRIMMER
68-0404	3296X-1-105	1M 3296X SERIES TRIMMER
68-0410	3296Y-1-101	100R 3296Y SERIES TRIMMER
68-0412	3296Y-1-201	200R 3296Y SERIES TRIMMER
68-0414	3296Y-1-501	500R 3296Y SERIES TRIMMER
68-0416	3296Y-1-102	1K 3296Y SERIES TRIMMER
68-0418	3296Y-1-202	2K 3296Y SERIES TRIMMER
68-0420	3296Y-1-502	5K 3296Y SERIES TRIMMER
68-0422	3296Y-1-103	10K 3296Y SERIES TRIMMER
68-0424	3296Y-1-203	20K 3296Y SERIES TRIMMER
68-0426	3296Y-1-503	50K 3296Y SERIES TRIMMER
68-0428	3296Y-1-104	100K 3296Y SERIES TRIMMER
68-0430	3296Y-1-204	200K 3296Y SERIES TRIMMER
68-0432	3296Y-1-504	500K 3296Y SERIES TRIMMER
68-0434	3296Y-1-105	1M 3296Y SERIES TRIMMER

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The enclosed information is believed to be correct, Information may change 'without notice' due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 04/07/2003

Multi-turn Cermet potentiometers

Bourns® 3296W, 3296X and 3296Y series- $\frac{3}{8}$ " square trimming potentiometer

Features

- Multi-turn/cermet/industrial/sealed
- 3 terminal styles
- Chevron seal design

Electrical characteristics

Standard resistance range:	10 ohms to 5 megohms
Resistance tolerance:	±10%
Absolute minimum resistance:	1% or 2Ω max. (whichever is greater)
Contact resistance variation:	1% or 3Ω max. (whichever is greater)
Adjustability	
Voltage:	±0.01%
Resistance:	±0.05%
Resolution:	Infinite
Insulation resistance:	500VDC 1,000 megohms minimum
Dielectric strength:	
Sea level:	900VAC
70,000 feet	350VAC
Effective travel:	25 turns nominal

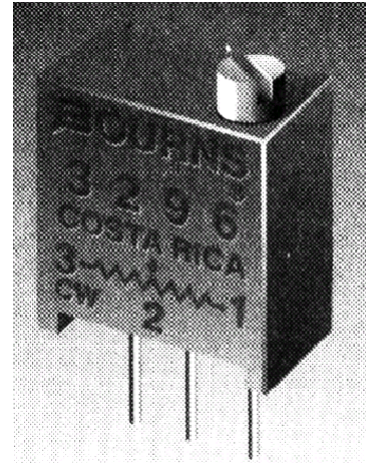
Environmental characteristics

Power rating (300 volts maximum)	
70°C	0.5 watt
125°C	0 watt
Temperature range:	-55°C to +150°C
Temperature coefficient:	±100ppm/°C
Seal test:	85°C Fluorinert*
Humidity (MIL-STD-202 method 103):	96 hours (2% ΔTR, 10MΩ IR)
Vibration:	20G (1% ΔTR; 1% ΔVR)
Shock:	100G (1% ΔTR; 1% ΔVR)
Load life:	1,000 hours 0.5 watt, @ 70°C (3% ΔTR; 3% or 3Ω, whichever is greater, CRV)
Rotational life:	200 cycles (4% ΔTR; 3% or 3Ω, whichever is greater, CRV)

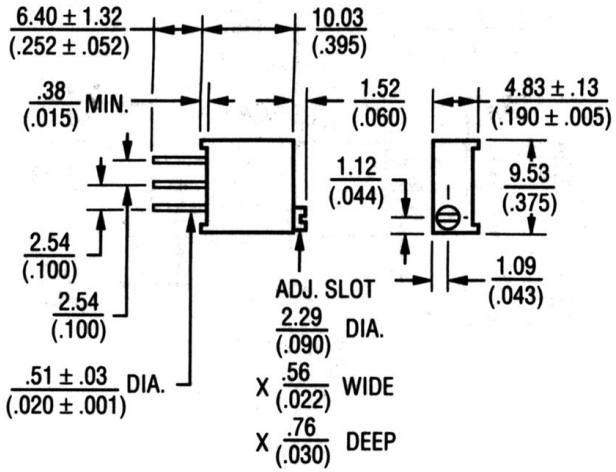
Physical characteristics

Torque:	3.0 oz-in. maximum
Mechanical stops:	Wiper idles
Terminals:	Solderable pins
Weight:	0.03 oz.
Marking:	Manufacturers trademark, resistance code, wiring diagram, date code, manufacturers model number and style
Wiper:	Positioned at 50% nominal
Flammability:	UL 94V-0

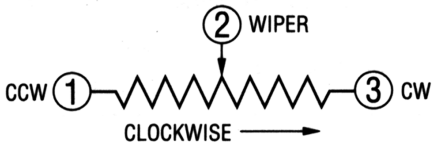
* "Fluorinert" is a registered trademark of 3M Co.



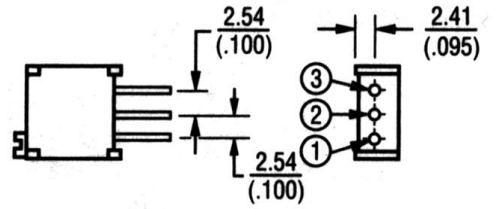
Common Dimensions – (Dimensions are in mm (inches))



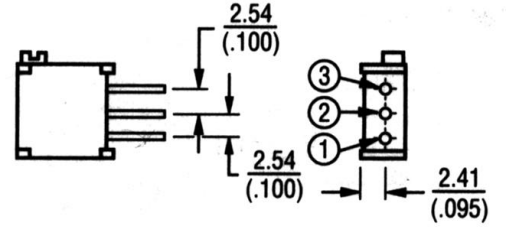
Contact Arrangement



3296W Variant – Top Adjustment



3296X Variant – Side Adjustment



3296Y Variant – Top Adjustment

