

## Preset potentiometers

Order code	Manufacturer code	Description
68-0200	3266W-1-501	500 OHMS 0.25IN CERMET POT.
68-0205	3266W-1-102	1K 0.25IN CERMET POTENTIOMETER
68-0210	3266W-1-202	2K 0.25IN CERMET POTENTIOMETER
68-0215	3266W-1-502	5K 0.25IN CERMET POTENTIOMETER
68-0220	3266W-1-103	10K 0.25IN CERMET POT.
68-0225	3266W-1-203	20K 0.25IN CERMET POT.
68-0230	3266W-1-503	50K 0.25IN CERMET POT.
68-0235	3266W-1-104	100K 0.25IN CERMET POT.

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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

## 1/4" square, multi-turn cermet industrial sealed potentiometers

### Features

- Standoffs allow thorough PC board washing
- Double chevron shaft seal
- Patent #4427966 reliable drive mechanism

### Electrical characteristics

Standard resistance range: 10 to 1 megohm (see standard resistance table)

Resistance tolerance:  $\pm 10\%$  std.

Absolute minimum resistance: 1% or  $2\Omega$  max. (Whichever is greater)

Contact resistance variation: 3.0% or  $3\Omega$  max. (Whichever is greater)

#### Adjustability

Voltage:  $\pm 0.02\%$

Resistance:  $\pm 0.05\%$

Resolution: Infinite

Insulation resistance: 500 VDC

1,000m $\Omega$

#### Dielectric strength

Sea level: 600VAC

80,000 feet: 250VAC

Effective travel: 12 turns nominal

### Environmental characteristics

Power rating (300 volts max.)

70°C: 0.25 watt

150°C: 0 watt

Temperature range: -55°C to 125°C

Temperature coefficient:  $\pm 100\text{ppm}/^\circ\text{C}$

Seal test: 85°C Fluorinert\*

Humidity: MIL-STD-202 method 103, 96 hours (2%  $\Delta\text{TR}$ , 10M $\Omega$  IR)

Vibration: 30G (1%  $\Delta\text{TR}$ ; 1%  $\Delta\text{VR}$ )

Shock: 100G (1%  $\Delta\text{TR}$ ; 1%  $\Delta\text{VR}$ )

Load life: 1000 hours, 0.25 watt, 70°C (3%  $\Delta\text{TR}$ ; 3% CRV)

Rotational life: 200 cycles (4%  $\Delta\text{TR}$ ; 3% or 3 ohms, whichever is greater, CRV)

### Physical characteristics

Torque: 30.oz-in. max.

Mechanical stops: Wiper idles

Terminals: Solderable pins

Weight: 0.015 oz.

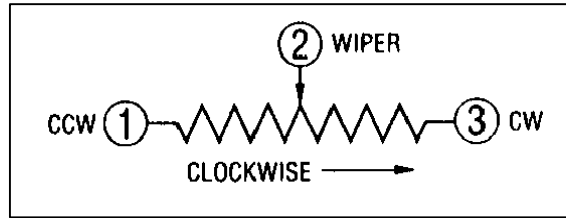
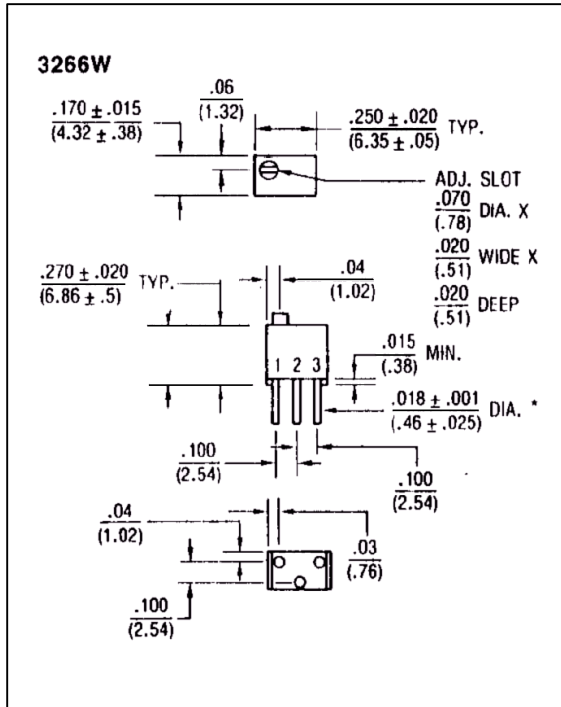
Marking: Manufacturers trademark, resistance code, wiring diagram, date code, manufacturers model number and style

Standard packaging: 50pcs per tube

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Tolerances:  $\pm .010$  except where noted  
(0.25)

Dimensions: in.  
(mm)



Standard resistance table

Resistance ( $\Omega$ )	Resistance code
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
25,000	253
50,000	503
100,000	104