

Preset potentiometers

Order code	Manufacturer code	Description
68-0100	3006P-1-101	100 OHMS 3/4IN M/TURN CERMET
68-0105	3006P-1-201	200 OHMS 3/4IN M/TURN CERMET
68-0110	3006P-1-501	500 OHMS 3/4IN M/TURN CERMET
68-0115	3006P-1-102	1K 3/4IN M/TURN CERMET
68-0120	3006P-1-202	2K 3/4IN M/TURN CERMET 3006P
68-0125	3006P-1-502	5K 3/4IN M/TURN CERMET
68-0130	3006P-1-103	10K 3/4IN M/TURN CERMET
68-0135	3006P-1-203	20K 3/4IN M/TURN CERMET
68-0140	3006P-1-503	50K 3/4IN M/TURN CERMET
68-0145	3006P-1-104	100K 3/4IN M/TURN CERMET
68-0150	3006P-1-204	200K 3/4IN M/TURN CERMET
68-0155	3006P-1-504	500K 3/4IN M/TURN CERMET
68-0160	3006P-1-100	10 OHMS 3/4IN M/TURN CERMET
68-0165	3006P-1-200	20 OHMS 3/4IN M/TURN CERMET
68-0170	3006P-1-500	50 OHMS 3/4IN M/TURN CERMET

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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

3/4" rectangular, multi-turn cermet industrial sealed potentiometers

Electrical characteristics

Standard resistance range:	10 to 5M Ω (see standard resistance table)
Resistance tolerance:	$\pm 10\%$ (tighter tolerance available)
Absolute minimum resistance:	1.0% or 2 Ω max. (whichever is greater)
Contact resistance variation:	1.0% or 1 Ω max. (whichever is greater)
Adjustability	
Voltage:	0.01%
Resistance:	0.05%
Resolution:	Infinite
Insulation resistance:	500VDC. 1,000M Ω min.
Dielectric strength	
Sea level:	1,000VAC
80,000 feet:	250VAC
Adjustment angle:	15 turns nominal

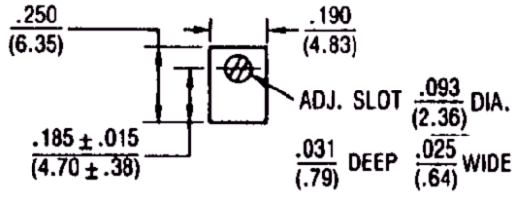
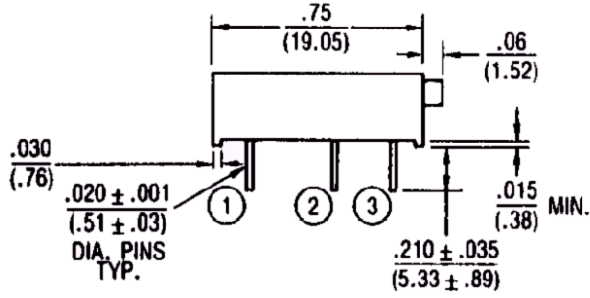
Environmental characteristics

Power rating (400Volts max.)	
70°C:	0.75 watt
150°C:	0 watt
Temperature range:	-55°C to +125°C
Temperature coefficient:	± 100 ppm/°C
Seal test:	85°C Fluoinert
Humidity:	MIL-STD-202 method 103, 96 hours (3% Δ TR, 20M Ω IR)
Vibration:	20G (2% Δ TR; 2% Δ V _R)
Shock:	50G (2% Δ TR; 2% Δ V _R)
Load life:	1,000 hours 0.75 watt 70°C (4% Δ TR)
Rotational life:	200 cycles (3% Δ TR; 1% or 1 Ω , whichever is greater, CRV)

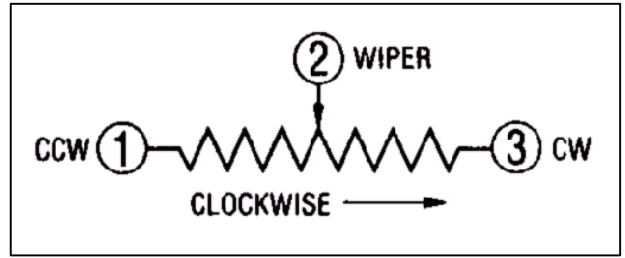
Physical characteristics

Torque:	5.0 oz-in. max.
Mechanical stop:	Wiper idles
Terminals:	Solderable pins
Weight:	0.04 oz
Marking:	Manufacturers trademark, resistance code, terminal numbers, date code, manufacturers model number and style
Standard packaging:	
P&Y style:	25 pcs. per tube
W style:	50 pcs. per tray

COMMON DIMENSIONS



Tolerances: ± .010 except where noted
(0.25)



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
25,000	253
50,000	503
100,000	104

3006P

