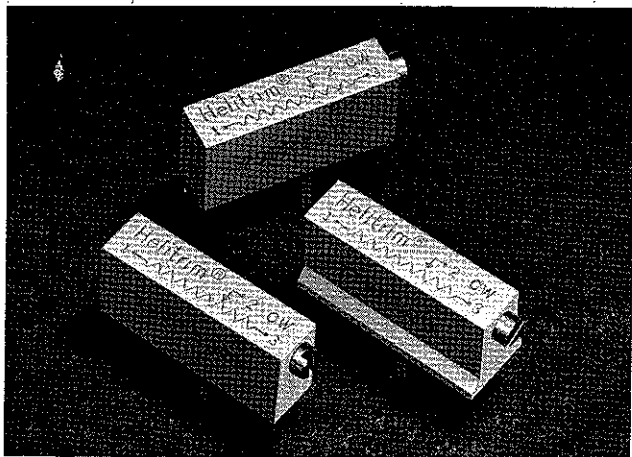


Models 76, 77, 79 3/4" (19,050 mm) Rectangular 15-Turn Cermet Industrial Grade

Available from: Distributor



Helitrim® Models 76, 77 & 79 trimming potentiometers provide:

- ± 100 ppm/°C maximum unit tempco..
- 0.75 watt power rating.
- Essentially infinite resolution.
- Rugged cermet resistance element.
- Voltage adjustability within 0.05%.
- Excellent performance under environmental extremes.
- Wiper idles at ends, preventing damage.
- Dependable, long term performance.
- Elements free from sudden failure.

SPECIFICATIONS

General

Ambient temperature range, °C	—55 to 125
Resistance element	cermet
Adjustment turns, nominal	15
Sealing	meets immersion test of MIL-R-22097
Tempco	± 100 ppm/°C*
*Guaranteed maximum over the ambient temperature range of —55° to 105°C	

Electrical

Range of std. resistance values, ohms	10 to 2M
Standard resistance tolerance	100Ω thru 500KΩ, $\pm 10\%$ other values, $\pm 20\%$
Input voltage, maximum	200V DC/RMS but not to exceed power rating.
Slider current, maximum	100 mA or within power rating, whichever is less.
Power rating, watts	0.75 at 25°C derating to 0 at 125°C
End resistance, maximum	2Ω
Actual electrical travel, turns, nominal	15
Dielectric strength	500V RMS
Insulation resistance	100MΩ
Resolution	essentially infinite

Mechanical

Stops	clutch action
Starting torque, maximum	8 oz-in. (0,056 N*m)
Weight, nominal	0.05 oz. (1,42 gm)

Standard Resistance Values, Ohms

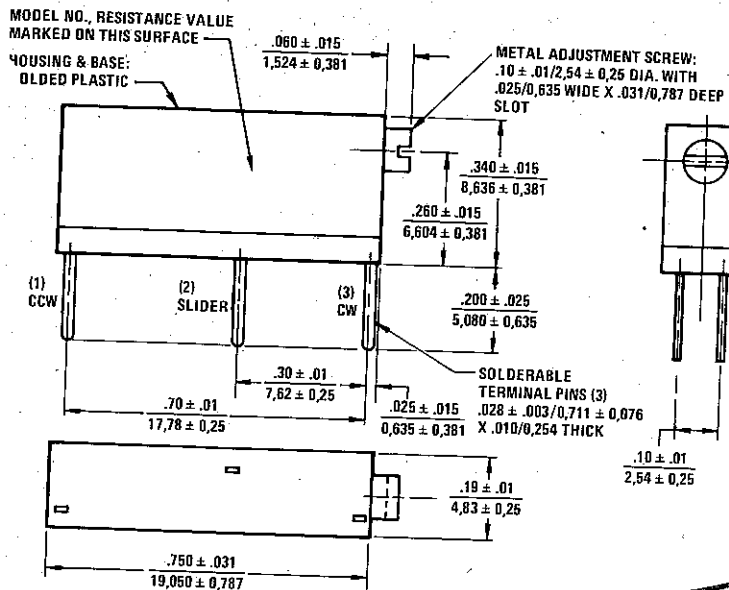
10	100	1K	10K	100K	1M
20	200	2K	20K	200K	2M
—	—	—	25K	250K	—
50	500	5K	50K	500K	—

Environmental

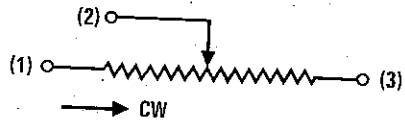
(All trimming potentiometers will perform satisfactorily under the following environmental stresses.)

Temperature range	—55 to 125°C
Thermal shock	5 cycles, —55 to 125°C
Shock	100 g's
Vibration	20 g's, 10 to 2000Hz
Moisture resistance	Ten - 24 hr. cycles
Temperature storage	250 hrs. at 125°C
Rotational life	200 cycles
Load life at 0.75 watt	1000 hrs. at 25°C

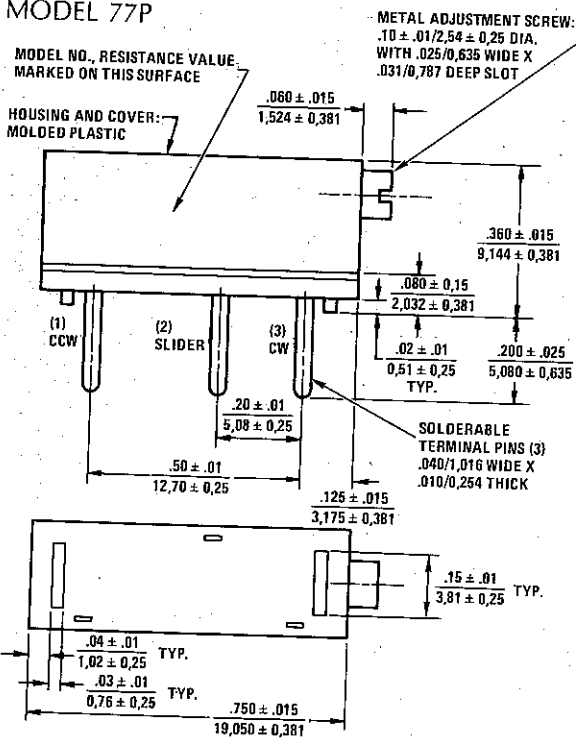
MODEL 76P



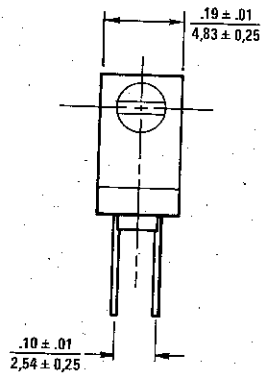
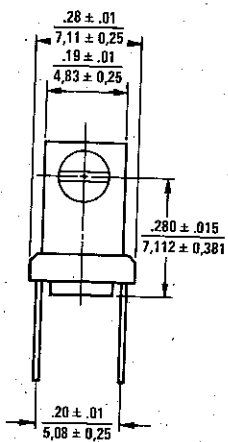
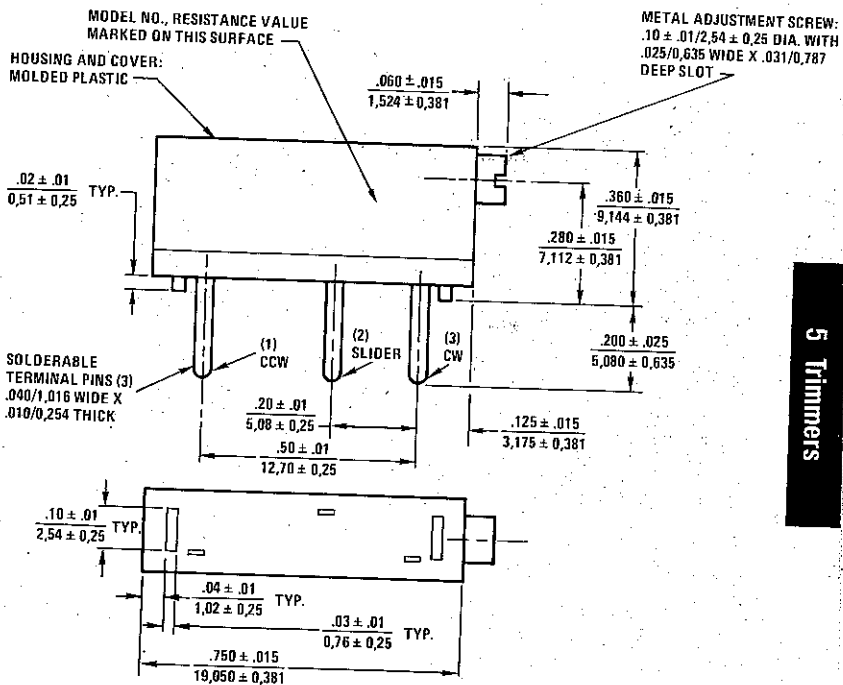
CIRCUIT DIAGRAM



MODEL 77P



MODEL 79P



5 Trimmers