FEATURES

- High power dissipation — 1.0 watt at 70°C.
- High operating temperature (175°C).
- Excellent shock, vibration, and acceleration stability.
- Exceeds steady state humidity requirements of MIL-STD-202
- SILVERWELD® termination alloys with multiple resistance wire to eliminate vulnerable single wire termination.
- Stable wiper setting under extreme environmental conditions due to self-locking adjustment screw.
- Wiper assembly idles at both ends of travel preventing damage from forced adjustments.

STANDARD RESISTANCES

<table>
<thead>
<tr>
<th>Resistance (ohms)</th>
<th>Part Numbers</th>
<th>Nominal Resolution (percent)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>260-1-100</td>
<td>260S-1-100</td>
</tr>
<tr>
<td>20</td>
<td>260-1-200</td>
<td>260S-1-200</td>
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<tr>
<td>100</td>
<td>260-1-101</td>
<td>260S-1-101</td>
</tr>
<tr>
<td>200</td>
<td>260S-1-201</td>
<td>260S-1-201</td>
</tr>
<tr>
<td>300</td>
<td>260S-1-301</td>
<td>260S-1-301</td>
</tr>
<tr>
<td>1,000</td>
<td>260-1-102</td>
<td>260S-1-102</td>
</tr>
</tbody>
</table>

SPECIAL RESISTANCES AVAILABLE FROM 10 TO 100,000 OHMS


<table>
<thead>
<tr>
<th>Resistance (ohms)</th>
<th>Part Numbers</th>
<th>Nominal Resolution (percent)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,000</td>
<td>260L-1-202</td>
<td>260S-1-202</td>
</tr>
<tr>
<td>5,000</td>
<td>260L-1-502</td>
<td>260S-1-502</td>
</tr>
<tr>
<td>10,000</td>
<td>260L-1-103</td>
<td>260S-1-103</td>
</tr>
<tr>
<td>25,000</td>
<td>260L-1-203</td>
<td>260S-1-203</td>
</tr>
<tr>
<td>25,000</td>
<td>260L-1-253</td>
<td>260S-1-253</td>
</tr>
<tr>
<td>50,000</td>
<td>260L-1-503</td>
<td>260S-1-503</td>
</tr>
<tr>
<td>100,000</td>
<td>260L-1-104</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

*The last three digits of the part number represent the resistance is standard code.
Model 260 TRIMPOT® Potentiometer

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

Standard Resistance Range (See chart on front) ................. 10 to 100,000 ohms
Resistance Tolerance ................. ±10% standard, closer tolerances available
Absolute Minimum Resistance ................. 10 to 1,000 ohms, 0.7% or 0.5 ohms, whichever is greater
2,000 to 30,000 ohms, 0.1%
100,000 ohms, 0.5% or 0.25 ohms, whichever is greater
Continuity ................. Maintained for full mechanical range
Noise during Adjustment ................. 100 ohms EUR maximum
Insulation Resistance, 500 volts DC ................. 1,000 megohms minimum
Resolution (See chart on front) ................. 0.12 to 0.32% of full scale

ENVIRONMENTAL CHARACTERISTICS

Power Ratings
70°C ................. 1.0 watt
125°C ................. 0.5 watt
175°C ................. 0.25 watt
Operating Temperature Range ................. -50° to +75°C
Temperature Coefficient (per MIL-R-27508) ................. 50 ppm/°C maximum
Humidity, MIL-E-5192, Method 103 ................. 100 megohms minimum insulation resistance after removal from chamber
Vibration ................. MIL-R-27508, 20G
Contact Bounce ................. 0.1 millisecond maximum
Wiper Shift, Maximum ................. 0.5% or resolution, whichever is greater

SHOCK
Contact Bounce and Wiper Shift ................. Same as vibration
Salt Spray ................. Materials meet MIL-R-27508
Load Life ................. 1,000 hours per MIL-R-27508
Resistance Shift, Maximum ................. 2%
Mechanical Life ................. 500 cycles without discontinuity
Dielectric Strength ................. MIL-R-27508
Room Conditions ................. 1,000 volts AC, 30,000 feet (0.3” hi)
200 volts AC

PHYSICAL CHARACTERISTICS

Shaft Torque ................. 7.5 oz-in., maximum
Markings ................. Legible markings, no physical defects
Mechanical Adjustment ................. 25 turn nominal
Mechanical Stops ................. Wiper assembly tabs
Weight ................. Approximately 0.1 oz.
Terminals: ................. Gold plated 0.024 O.D. (7 stand/38 AWG)
................................. Gold plated side tape
................................. Gold plated grade A nickel printed circuit pins
Specification Note: Closer performance tolerances can be supplied upon request.
Specifications are subject to change without notice.

260L

3 ELECTRICAL LEADS
11.5” MINIMUM LENGTH
INSULATED STRANDED WIRE
DIA. OVER INSULATION .024

.096 MIN. DIA. 2 MOUNTING HOLES
(NO. 2 SCREW CLEARANCE)

ELECTRICAL ADJUSTMENT
1.25 DIA. WITH .025 WIRE SLOT
AND .025 DEEP SLOT

RED WIPER
YELLOW GREEN
CLOCKWISE

260S

.678 ± .005
.125 DIA. ELECTRICAL ADJ.
WITH .025 WIDE X .031
DEEP SLOT

21 AWG (1.028 DIA ± .001)
PER CHART

260P

.026 DIA. PINS (3)
.026 DIA. PINS (3)
.010