THICK FILM SURFACE MOUNT NETWORKS
SMALL OUTLINE MOLDED DIP

SMN16 SERIES

Choice of gull-wing or J-lead styles!
RCD’s SMN series feature SOIC-type packaging with gull-wing leads, or SOJ type with leads formed under the body for even greater space savings. The molded construction results in excellent moisture resistance, and compliant leads prevent solder joint fatigue under vibration and thermal shock conditions.

- Epoxy-molded for excellent environmental performance
- Standard tolerance: ±5% (1%, 2% available)
- Temperature coefficient: ±100ppm/°C Typ.
- Available on 24mm embossed plastic tape or magazine tube

POWER RATING

<table>
<thead>
<tr>
<th>Config. Type</th>
<th>Single Resistor</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>@ 25°C</td>
<td>@ 70°C</td>
</tr>
<tr>
<td>A</td>
<td>.25W</td>
<td>.16W</td>
</tr>
<tr>
<td>B</td>
<td>.125W</td>
<td>.08W</td>
</tr>
</tbody>
</table>

STANDARD CONFIGURATIONS

- Config. A (Isolated resistors) 16 PIN/8RES
- Config. B (bussed resistors) 16 PIN/15RES

SPECIFICATIONS, TYPICAL

- Resistance Range: 33Ω to 3.3 Meg
- Resistance Tolerance: ±1, 2, 5, 10%
- Voltage Rating: 25VDC or VPR (whichever is less)
- Temperature Range: -55 to +150°C
- Temperature Coefficient: ±200ppm/°C
- T.C. Tracking: 50ppm/°C
- Voltage Coefficient: <50 ppm/ V Typ.
- Thermal Shock: ±0.5% ±0.05Ω
- Short-Time Overload: ±25% ±0.05Ω
- Resistance to Solder Heat: ±25% ±0.05Ω
- Moisture Resistance: ±0.5% ±0.05Ω
- Load Life (1000 hours): ±1.0% ±0.05Ω
- Dielectric Strength: 200V Min.

DERATING

P/N DESIGNATION:

- RCD Type
- Number of Pins (16 is standard)
- Configuration: A=Isolated, B=Bussed
- Package Style: S= SOIC, J= SOJ
- Resis.Code 1%: 3 signif. figures & multiplier (10R0=10Ω, 100=100Ω, 1000=1KΩ, 1001=1KΩ, 1002=10K, 1003=100K, 1004=1M)
- Resis.Code 2%-5%: 2 signif. figures & multiplier (100=10Ω, 101=100Ω, 102=1KΩ, 103=10K, 104=100K, 105=1M, etc.)
- Tolerance: J=5% (standard), G=2%, F=1%
- Packaging: B = Bulk, M = Magazine, T = Plastic Tape
- Termination: W= Lead-free, Q= Tin/Lead (leave blank if either is acceptable)

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