## MICRO-D METAL SHELL
### SURFACE MOUNT RIGHT ANGLE

<table>
<thead>
<tr>
<th>NO. OF CONTACTS</th>
<th>A MAX</th>
<th>B MAX ± .005</th>
<th>C MAX</th>
<th>D MAX ± .010</th>
<th>E MAX</th>
<th>F MAX ± .030</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>.785</td>
<td>.565</td>
<td>.400</td>
<td>.570</td>
<td>.250</td>
<td>.610</td>
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<tr>
<td>15</td>
<td>.935</td>
<td>.715</td>
<td>.550</td>
<td>.620</td>
<td>.295</td>
<td>.760</td>
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<tr>
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<td>.700</td>
<td>.720</td>
<td>.395</td>
<td>.910</td>
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<td>.965</td>
<td>.800</td>
<td>.770</td>
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<td>1.115</td>
<td>.950</td>
<td>.870</td>
<td>.445</td>
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<tr>
<td>37</td>
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<td>1.265</td>
<td>1.100</td>
<td>.920</td>
<td>.495</td>
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<tr>
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<td>1.215</td>
<td>1.045</td>
<td>.980</td>
<td>.460</td>
<td>1.265</td>
</tr>
</tbody>
</table>

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**Dimensions:**
- **Socket/Lead #1 Receptacle:** .008 TYP
- **Post:** .000 .009
- **Socket/Lead #1 Plugs:**
  - **A:** 0.096
  - **B:** 0.088

**Plug Dimensions:**
- **Socket/Lead #1 Plugs:**
  - **A:** 0.096
  - **B:** 0.088

**Solder Dipped Dimensions:**
- **Socket/Lead #1 Plugs:**
  - **A:** 0.093
  - **B:** 0.020 [FLAT] TYP

**Receptacle Dimensions:**
- **Socket/Lead #1 Receptacle:** .008 TYP
- **Post:** .075 TYP

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**Title:** MICRO-D METAL SHELL
**Tolerance:** .XXX ± .005
**Angle:** ± 1°

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**Contact Information:**
- Cristek.com
- 888.265.9162
1. MATERIALS:
   SHELL - ALUMINUM ALLOY
   INSULATOR/BACKSHELL - GLASS FILLED THERMOPLASTIC
   PIN/SOCKET CONTACT - COPPER ALLOY
   LEAD - BRASS
   INTERFACIAL SEAL - FLUOROSILICONE BLEND

2. FINISH:
   SHELL - ELECTROLESS NICKEL OR CADMIUM OVER ELECTROLESS NICKEL
   (LEADS ARE TYPICALLY HOT SOLDER DIPPED)

3. SPECIFICATIONS:
   CURRENT RATING - 3 AMPS MAX
   TEMPERATURE RATING - -55°C TO +125°C
   INSULATION RESISTANCE - 5000 MEGOHMS MIN
   DWV AT SEA LEVEL - 600 VAC
   DWV AT 70,000 FT ALTITUDE - 150 VAC
   CONTACT RESISTANCE - 70 mV DROP MAX AT 2.5 AMPS
   LOW LEVEL CONTACT RESISTANCE - 25 MILLIOHMS MAX
   CONTACT RETENTION - 5 lb MINIMUM AXIAL LOAD
   ENGAGEMENT FORCE - 6 oz MAX
   SEPARATION FORCE - 0.5 oz MIN

4. ADDITIONAL INFORMATION:
   DESIGN AND PERFORMANCE IN GENERAL ACCORDANCE WITH M83513 WHERE APPLICABLE.
   CONTACT CRISTEK FOR OTHER HARDWARE OPTIONS.

MATERIALS AND FINISHES ARE IAW MIL-DTL-83513
FOR DETAILS SEE MIL SPEC OR WWW.CRISTEK.COM
BOTTOM VIEW OF CONNECTOR
RECEPTACLE PIN NO'S ARE NEXT TO FOOT
PLUG PIN NO'S ARE CIRCLED

#2-56 X .165 DEEP
THREADED INSERT
.120 O.D. TYP

#2-56 X .005

SERIES SMR
MICRO-D METAL SHELL
SURFACE MOUNT RIGHT ANGLE

W

CRISTEK.COM
888.265.9162