1. MATERIALS:
   SHELL - ALUMINUM ALLOY
   INSULATOR - GLASS FILLED THERMOPLASTIC
   PIN/SOCKET CONTACT - COPPER ALLOY
   LEAD - COPPER
   INTERFACIAL SEAL - FLUOROSILICONE BLEND

2. FINISH:
   SHELL - SEE OPTIONS ABOVE
   PIN/SOCKET CONTACT - GOLD OVER NICKEL
   LEADS - 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 ------------ 8 MILLIOHMS MAX AT 2.5 AMPS
   LOW LEVEL CONTACT ------------- 10 MILLIOHMS MAX
   ENGAGEMENT FORCE 6 oz MAX
   SEPARATION FORCE 0.5 oz MIN

4. ADDITIONAL INFORMATION:
   DESIGN AND PERFORMANCE IN GENERAL
   ACCORDANCE WITH MIL-DTL-83513.
   CONTACT CRISTEK FOR OTHER HARDWARE OPTIONS.

MATERIALS AND FINISHES ARE IAW MIL-DTL-83513 WHERE APPLICABLE
FOR DETAILS SEE MIL SPEC OR WWW.CRISTEK.COM

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CRISTEK SURFACE MOUNT RIGHT ANGLE METAL SHELL MICRO-D (CONDENSED PATTERN)

GENDER
1 = RECEPTACLE, SOCKET CONTACTS
2 = PLUG, PIN CONTACTS

NUMBER OF CONTACTS
009  025  051
015  031  069
021  037

HARDWARE (#2-56 THREAD)
0 = NONE
FACTORY INSTALLED (NON-REMOVABLE)
F = FLOAT MOUNT
J = HIGH PROFILE HEX DRIVE JACKSCREW
K = HIGH PROFILE SLOTTED JACKSCREW
L = LOW PROFILE HEX DRIVE JACKSCREW
T = THREADED INSERT

M83513 HARDWARE - FACTORY INSTALLED
2 = LOW PROFILE HEX DRIVE JACKSCREW
3 = HIGH PROFILE HEX DRIVE JACKSCREW
5 = LOW PROFILE SLOTTED JACKSCREW
6 = HIGH PROFILE SLOTTED JACKSCREW
7 = JACKPOST
8 = MOUNTING BRACKET W/JACKPOST

SHELL FINISH
A = CADMIUM
B = NICKEL
C = ANODIZE
D = CHEM FILM
E = BLACK CADMIUM
G = GOLD

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CSR - X  XXX - X  X

MICRO-D METAL SHELL SURFACE MOUNT RIGHT ANGLE, CONDENSED

TOLERANCE: .XXX ± .005
.XX ± .01
ANGLE ± 1°
CSR PLUG LEAD FOOTPRINT
DIMENSIONS SHOWN ARE TYPICAL FOR ALL SIZES EXCEPT AS NOTED
CSR RECEPTACLE LEAD FOOTPRINT

DIMENSIONS SHOWN ARE TYPICAL FOR ALL SIZES EXCEPT AS NOTED

OPTIMAL MOUNTING BRACKETS

.074 SIZES (9-37)

.092

.050

.025

9 CONTACTS

15 CONTACTS

21 CONTACTS

25 CONTACTS

31 CONTACTS

37 CONTACTS

51 CONTACTS

.134 (SIZE 51 & 69)

PAD SIZE

.035

.050

69 CONTACTS

CSR RECEPTACLE LEAD FOOTPRINT

DIMENSIONS SHOWN ARE TYPICAL FOR ALL SIZES EXCEPT AS NOTED

TOLERANCE: \( \pm 0.005 \)

\( \pm 0.01 \)

ANGLE \( \pm 1^\circ \)

MICRO-D METAL SHELL
SURFACE MOUNT RIGHT ANGLE, CONDENSED

CRISTEK.COM
888.265.9162