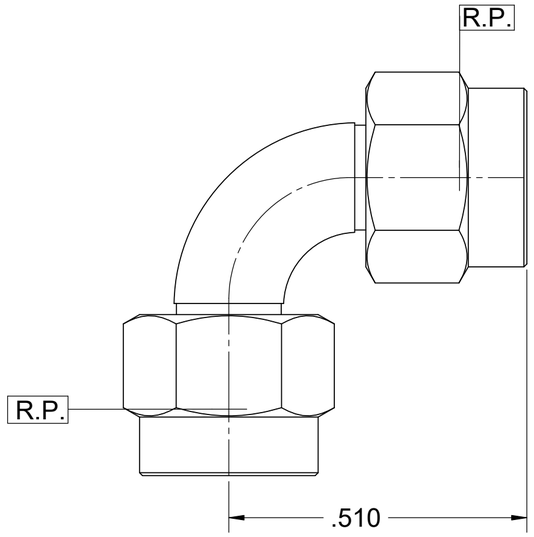
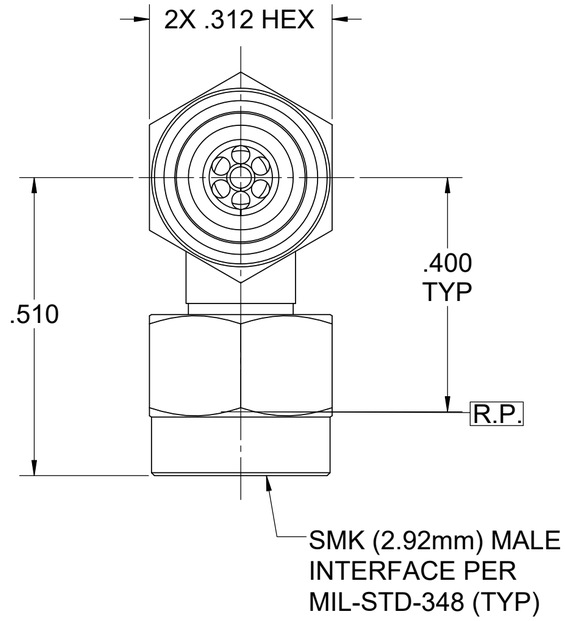
| P/N |
|---|
| CC |
| CCSF |

| REVISION HISTORY | | | | |
|---|---|---|---|---|
| ECO | REV. | DESCRIPTION | DRAWN BY | DATE |
| 19478 | A | INITIAL RELEASE | SLM | 08.10.06 |
| 25054 | B | CHG TEMP RANGE | YP | 11.4.11 |
| 206125 | C | REDRAW IN SW | PAW | 06.22.26 |




NOTE(S):
1. OUTLINE DRAWING REVISION IS INDEPENDENT OF PRODUCTION REVISION.

**MATERIAL(S):**

BODY & COUPLING NUT:
303 SST PER ASTM A-582
CENTER CONDUCTOR:
BeCu ALLOY PER ASTM B-196
RETAINING RING:
BeCu ALLOY PER ASTM B-196
or ASTM B-197
DIELECTRIC:
PTFE PER ASTM D-1710.
GASKET:
VITON A PER MIL-R-83249
BEAD:
(HIGH PERFORMANCE APPLICATION)

**ELECTRICAL(S):**

IMPEDANCE: 50 OHMS NOMIAL.
FREQUENCY RANGE: DC TO 40.0 GHz
VSWR: 1.5:1 MAX TO 4 GHz
INSERTION LOSS: .08 √f(GHz)
WORKING VOLTAGE: 500 Vrms MAX@SEA LEVEL
DIELECTIRC WITHSTANDING VOLTAGE:
1500 Vrms MIN
R.F. HiPOT VOLTAGE: 1000 Vrms MIN @ 5MHZ
CORONA LEVEL: 375 Vrms @ 70,000 ft.
INSULATION RESISTANCE: 5000 MEGOHMS MIN.
R.F. LEAKAGE: -90 dB MIN FROM 2 TO 3 GHz
CONTACT RESISTANCE:
INITIAL:
CENTER CONTACT: 5.0 Milliohm MAX
OUTER CONTACT: 2.0 Milliohm MAX
AFTER ENVIRONMENT:
CENTER CONTACT: 7.0 Milliohm MAX
OUTER CONTACT: NA

**MECHANICAL(S):**

MATING CHARACTERISTICS:
INTERFACE PER MIL-STD-348
FORCE TO ENGAGE & DISENGAGE:
TORQUE: 2 INCH-POUNDS MAX
LONGITUDINAL FORCE: NA
CONNECTOR DURABILITY:
500 CYCLES MIN @12 CYCLES/MINUTE MAX
PERMEABILITY: LESS THAN 2.0 um
CENTER CONTACT RETENTION:
AXIAL FORCE: 6 PUNDS MIN
TORQUE: 4 INCH-OUNCES MIN
COUPLING PROOF TORQUE:
15 INCH-POUND MIN
COUPLING MECH. RETENTION:
60 POUNDS MIN.

**ENVIROMENTAL(S):**

TEMPERATURE RANGE: -55°C TO +125°C
THERMAL SHOCK:
MIL-STD-202, METHOD 107, TEST COND. B
TEMPERATURE CYCLE:
MIL-STD-202, METHOD 102, TEST COND. C
MOISTURE RESISTANCE:
MIL-STD-202, METHOD 106, INSULATION RESISTANCE AT LEAST 200 MEGOHMS WITHIN 5 MINUTES AFTER REMOVAL FROM HUMIDITY.
CORROSION:
MIL-STD-202, METHOD 101, TEST COND. B
VIBRATION:
MIL-STD-202, METHOD 204, TEST COND. D
SHOCK:
MIL-STD-202, METHOD 213, TEST COND. I

**FINISH(ES):**

BODY & COUPLING NUT:
(for CCSF's): PASSIVATE PER ASTM A-967.
(for CC's): GOLD PLATE PER ASTM B-488, OVER NICKEL UNDER PLATE PER AMS-QQ-N-290.
CENTER CONDUCTOR:
GOLD PLATE PER ASTM B-488, OVER NICKEL UNDER PLATE PER AMS-QQ-N-290.

RoHS 3 Compliant EU 2015/863

**APPLICABLE Amphenol CDI DOCUMENTS**

| WORK STANDARD | PROD INSTRUC | ASSY INSTRUC |
|---|---|---|
| NA | NA | NA |

THE INFORMATION CONTAINED HEREIN IS PROPRIETARY TO AMPHENOL. AND SHALL IN NO WAY BE REPRODUCED OR DISCLOSED IN WHOLE OR IN PART OR USED FOR ANY DESIGN OR MANUFACTURE EXCEPT WHEN SUCH USER POSSESSES DIRECT, WRITTEN AUTHORIZATION FROM AMPHENOL.

**TOLERANCES AND NOTES**
EXCEPT AS NOTED
DIMENSIONS ARE IN INCHES.
LINEAR .XX ±.015 / .XXX ±.005
FRACTION ± 1/32 ANGULAR ± 1/2°
1. INTERPRET DRAWING PER ASME Y14.5 - 2018
2. MACHINE FINISH: 63 RMS
3. BREAK ALL SHARP EDGES .003 MAX.
4. MACHINED FILLETS .005 MAX.
5. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.
6. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.
7. DIMENSIONS TO BE MET AFTER PLATING.
8. CHAMFER ALL THREADS 45°.
9. THREADS PER H-28
10. REMOVE FRAYED EDGES ON TEFLON.
11. REMOVE ALL BURRS.

| MATERIAL | | |
|---|---|---|
| APPROVAL | INITIALS | DATE |
| DRAWN BY | R.C. | 03/12/02 |

SEE ECO FOR APPROVAL SIGNATURES

| - | - | - |
|---|---|---|
| MATERIAL | SPECIFICATION | PROCUREMENT |

Amphenol CDI
12900 Alondra Blvd.
Cerritos, CA 90703

TITLE: SMK (2.92mm) MALE TO MALE RADIUS RIGHT ANGLE ADAPTER

| SCALE | SHEET | OF |
|---|---|---|
| 5:1 | 1 | 1 |

| SIZE | CAGE CODE | DRAWING NO. | REV. |
|---|---|---|---|
| C | 30990 | 220 | C |