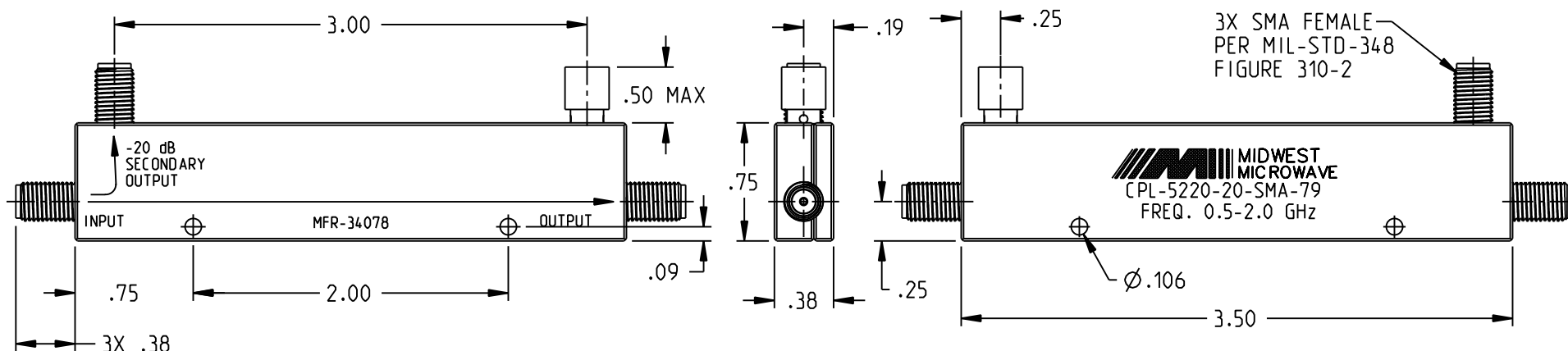


| REV | ECO   | DATE      |
|-----|-------|-----------|
| G   | 20814 | 5/2/2006  |
| H   | 21360 | 5/21/2007 |
| J   | 58003 | 4/12/2022 |



NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIALS & FINISH:

- 1.1 HOUSING (CIRCUIT): GREY PAINT OVER CHEMICAL CONVERSION COATED ALUMINUM
- 1.2 HOUSING (CONNECTORS): PASSIVATED STAINLESS STEEL
- 1.3 HOUSING (TERMINATION): GREY PAINT OVER PASSIVATED STAINLESS STEEL
- 1.4 DIELECTRICS: PTFE (TEFLON)
- 1.5 CENTER CONDUCTORS: GOLD PLATED BERYLLIUM COPPER
- 1.6 DUST CAPS (NOT SHOWN): POLYETHYLENE

2. SPECIFICATIONS

- 2.1 FREQUENCY RANGE: 0.5 TO 2.0 GHz
- 2.2 COUPLING:  $20 \pm 1.0$  dB
- 2.3 FREQUENCY SENSITIVITY:  $\pm 0.5$  dB
- 2.4 VSWR (MAX): 1.20:1
- 2.5 INSERTION LOSS (MAX - EXCLUDING COUPLING LOSS): 0.4 dB
- 2.6 DIRECTIVITY (MIN): 22 dB
- 2.7 INPUT POWER:
  - AVERAGE: 50 WATTS
  - PEAK: 3 KILOWATTS
- 2.8 RF IMPEDANCE: 50 OHMS NOMINAL
- 2.9 WEIGHT (MAX): 50 GRAMS

|                                                                                                                                                                                                                                                                                                                                                                                |                                                          |                                            |       |                            |      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------|-------|----------------------------|------|
|  <p>NOTICE: The information in this drawing is PROPRIETARY and must not be used without the permission of Cinch Connectivity Solutions. It may contain data whose export is restricted. Verify status prior to exporting.</p> <p>INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5-2018</p> | Model No:                                                | CPL-5220-20-SMA-79                         |       | <b>MIDWEST MICROWAVE</b>   |      |
|                                                                                                                                                                                                                                                                                                                                                                                | RoHS                                                     | Cage Code                                  | 34078 | Title: DIRECTIONAL COUPLER |      |
|                                                                                                                                                                                                                                                                                                                                                                                | UNLESS OTHERWISE SPECIFIED UNITS: INCH                   | 3RD ANGLE PROJECTION                       |       | Drawing No.                | REV. |
|                                                                                                                                                                                                                                                                                                                                                                                | .XX $\pm .02$<br>.XXX $\pm .005$<br>ANGLES $\pm 1^\circ$ | ENGINEER:<br>J. KEREKES<br>Date: 4/13/2022 |       | CPL-5220-20-SMA-79-01      | J    |

|      |   |                      |                  |       |        |
|------|---|----------------------|------------------|-------|--------|
| Size | A | DO NOT SCALE DRAWING | Workmanship Std. | Sheet | 1 OF 1 |
|------|---|----------------------|------------------|-------|--------|