



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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NOTES:

1.0 ELECTRICAL SPECIFICATIONS:

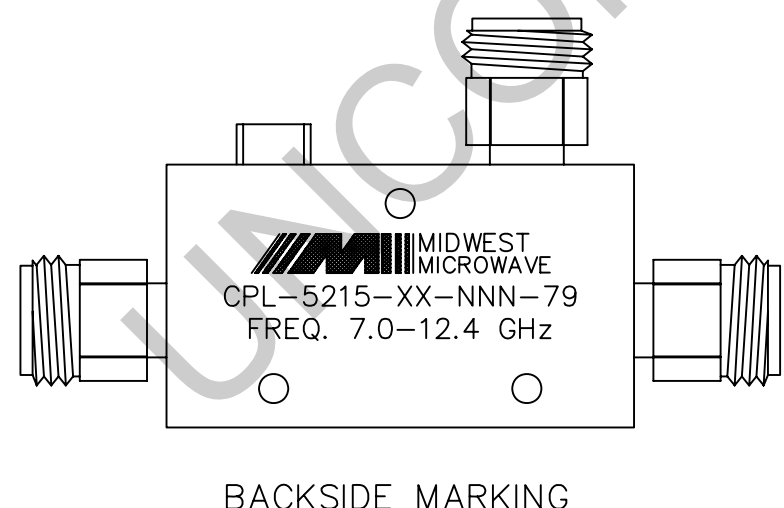
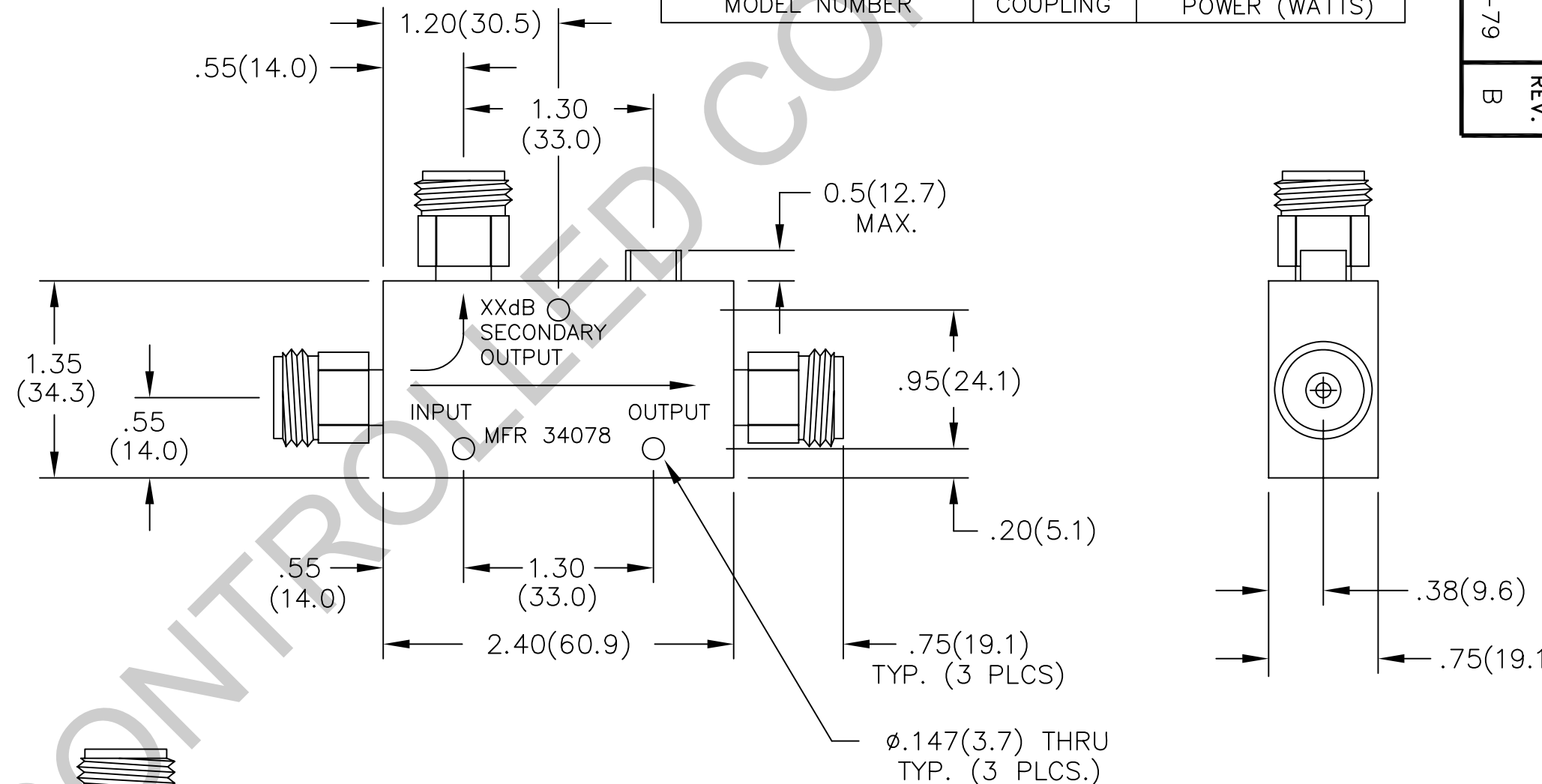
- 1.1 FREQUENCY RANGE: 7.0 to 12.4 GHz
- 1.2 FREQ. SENSITIVITY:  $\pm 0.75$ dB
- 1.3 COUPLING: SEE TABLE
- 1.4 VSWR (MAX): 1.50:1
- 1.5 INSERTION LOSS (EXC. COUPLED POWER): 0.55dB MAX.
- 1.6 DIRECTIVITY: 15dB MIN.
- 1.7 POWER: SEE TABLE
- 1.8 RF IMPEDANCE: 50 OHMS
- 1.9 WEIGHT (MAX.): 6.8 oz.

2.0 FINISHING:

- 2.1 GREY OVER MIL-E-15090 TYPE II, CLASS 2  
OVER MIL-C-5541 CLASS 3A  
MEETS MIL-F-14072  
MEETS MIL-E-5400 AND MIL-E-16400V.
- 2.2 MARK UNIT AS SHOWN.  
(REF.: SLK-08029-82-[24-27])

3.0 DIMENSIONS IN PARENTHESIS ARE IN MILLIMETERS.

|                                    |                              |       |      |       |
|------------------------------------|------------------------------|-------|------|-------|
| CPL-5215-30-NNN-79                 | 30dB                         | 50    | 50   | 3,000 |
| CPL-5215-20-NNN-79                 | 20dB                         | 50    | 50   | 3,000 |
| CPL-5215-10-NNN-79                 | 10dB                         | 50    | 10   | 3,000 |
| CPL-5215-06-NNN-79                 | 6dB                          | 50    | 4    | 3,000 |
| CPL-5215-XX-NNN-79<br>MODEL NUMBER | -XX $\pm 1.0$ dB<br>COUPLING | INPUT | REF. | PEAK  |
| POWER (WATTS)                      |                              |       |      |       |



MODEL NUMBER  
CPL-5215-XX-NNN-79  
REV.  
B

| REV. | DESCRIPTION      | DATE     |
|------|------------------|----------|
| -    | RELEASED         | 10/13/97 |
| A    | ECN 16439        | 1/16/98  |
| A1   | ADDED TITLEBLOCK | 4/20/05  |
| B    | ECN 20843        | 5/8/06   |

|   |  |   |  |                                   |  |
|---|--|---|--|-----------------------------------|--|
| UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: |  | FSCM NO.<br><b>34078</b>  |  | <b>MIDWEST MICROWAVE</b>          |  |
| 3 PLACE DECIMALS $\pm .005$   |  | NOTICE: The information contained in this drawing is proprietary and must not be used without the permission of Midwest Microwave |  | TITLE<br>DIRECTIONAL COUPLER      |  |
| 2 PLACE DECIMALS $\pm .02$  |  |   |  |                                   |  |
| FRACTIONS $\pm 1/64$  |  | DRAWN/DATE<br>J.VERNON<br>8/28/97   |  | ENG./DATE<br>J.O'NEIL<br>10/13/97 |  |
| PARALLELITY: T.I.R. _____   |  | CHECKED/DATE  |  | APPROVED/DATE                     |  |
| FLATNESS: T.I.R. _____  |  | DRAWING NUMBER<br>CPL-5215-XX-NNN-79  |  |                                   |  |
| CONCENTRICITY: T.I.R. _____   |  | SCALE: 1=1 SHEET 1 of 1   |  |                                   |  |
| ANGLES AND PERPENDICULARITY: $\pm 1^\circ$                          |  |   |  |                                   |  |