



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



NOTES:

- 1.0 ELECTRICAL SPECIFICATIONS:
- 1.1 FREQUENCY RANGE: 0.5 to 18.0 GHz
  - 1.2 COUPLING: (MEASURED WITH RESPECT TO OUTPUT) SEE TABLE
  - 1.3 FREQUENCY SENSITIVITY:  $\pm 1.10$ dB
  - 1.4 DIRECTIVITY: 0.5 to 12.4 GHz 15dB MIN.  
12.4 to 18.0 GHz 12dB MIN.
  - 1.5 VSWR (MAX): 1.50:1 PRIMARY  
1.60:1 SECONDARY
  - 1.6 INSERTION LOSS: 1.20dB MAX.  
(EXCLUDING COUPLED POWER)
  - 1.7 POWER: SEE TABLE
  - 1.8 RF IMPEDANCE: 50 OHMS
  - 1.9 WEIGHT (MAX.): 9.7 oz.

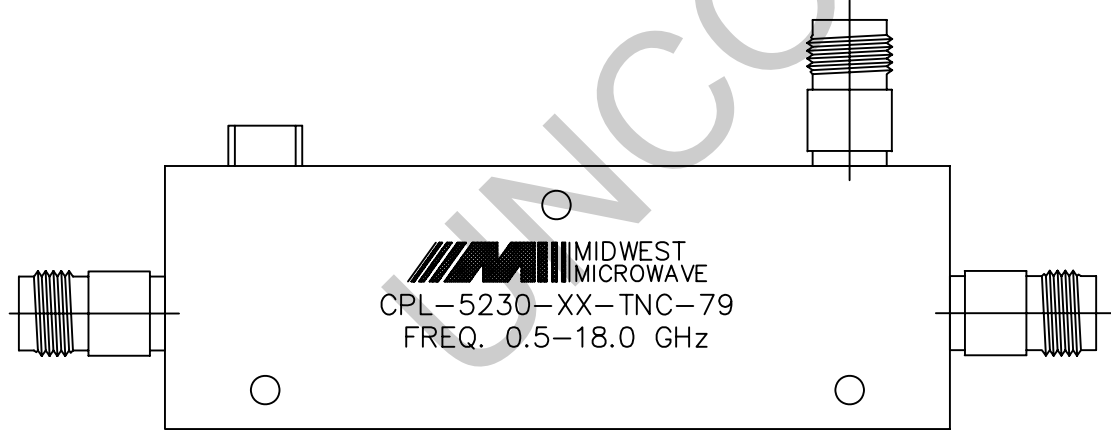
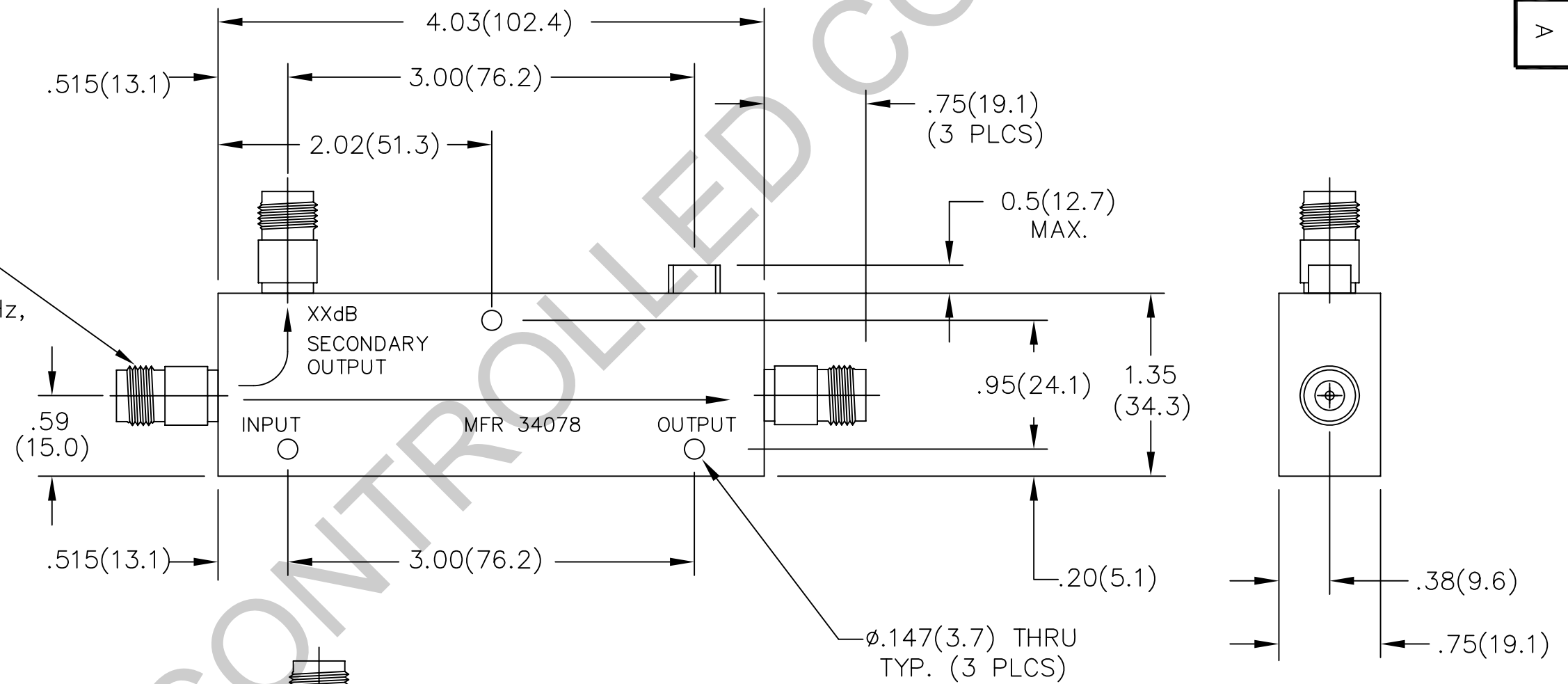
- 2.0 FINISHING:
- 2.1 GREY PER MIL-E-15090 TYPE II, CLASS 2  
OVER MIL-C-5541 CLASS 3A  
MEETS MIL-F-14072  
MEETS MIL-E-5400
  - 2.2 MARKING: MARK UNIT AS SHOWN  
(REF.: SLK-08139-82-[48-50])
- 3.0 DIMENSIONS IN PARENTHESIS ARE IN MILLIMETERS.

MIDWEST MODEL NUMBER	NOMINAL COUPLING	POWER (WATTS)		
		INPUT	REF	PEAK
CPL-5230-10-TNC-79	10 $\pm 1.5$ dB	50	10	3000
CPL-5230-16-TNC-79	16 $\pm 1.5$ dB	50	40	3000
CPL-5230-20-TNC-79	20 $\pm 1.5$ dB	50	50	3000

MODEL NUMBER  
CPL-5230-XX-TNC-79

REV.  
A

TYPE TNCA FEMALE INTERFACE PER MIL-STD-348A FIG. 313-4  
(INTERFACE ALSO MEETS TYPE TNC 18GHz, GRADE 1, PER IEC 169-26, FIG 2) TYPICAL 3 PLACES.



BACKSIDE MARKING

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: 3 PLACE DECIMALS $\pm .005$ 2 PLACE DECIMALS $\pm .02$ FRACTIONS $\pm 1/64$ PARALLELITY: T.I.R. _____ FLATNESS: T.I.R. _____ CONCENTRICITY: T.I.R. _____ ANGLES AND PERPENDICULARITY: $\pm 1^\circ$	FSCM NO. <b>34078</b>	<b>MIDWEST MICROWAVE</b>		
	NOTICE: The information contained in this drawing is proprietary and must not be used without the permission of Midwest Microwave		TITLE DIRECTIONAL COUPLER	
	DRAWN/DATE S.ORLOV 11/4/02	ENG./DATE B.GALLAGHER 11/5/02	DRAWING NUMBER CPL-5230-XX-TNC-79	
	CHECKED/DATE	APPROVED/DATE	SCALE: 1=1	SHEET 1 of 1

DATE	11/6/02	1/31/03
DESCRIPTION	RELEASED	ECN 19021
REV.	-	A