



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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## C3027NL

- COUPLER, 16dB
- 5-900 MHz
- SURFACE MOUNT, FR4 SUBSTRATE
- IMPEDANCE = 75 OHMS

NOTES: UNLESS OTHERWISE SPECIFIED:

1. OPERATING TEMPERATURE: 0°C TO +70°C.
2. STORAGE TEMPERATURE: -20°C TO +125°C
3. JEDEC MOISTURE: LEVEL 1.
4. DIMENSIONS ARE IN INCH WITH THE FOLLOWING TOLERANCES:  
.XX ±.01  
.XXX ±.005
5. OPTIONAL TAPE & REEL PACKAGING CAN BE ORDERED BY ADDING  
A "T" SUFFIX TO THE PART NUMBER. ie: C3027NLT
6. ROHS COMPLIANT



### ELECTRICAL SPECIFICATIONS: @ 25°C

#### COUPLING LOSS:

FREQUENCY	
5-400 MHz	15.9±0.5 dB
400-900 MHz	15.9±0.5 dB

#### TRANSMISSION LOSS:

FREQUENCY	
5-900 MHz	1.3 dB MAX

#### ISOLATION:

FREQUENCY	
5-400 MHz	18 dB MIN
400-900 MHz	18 dB MIN

#### RETURN LOSS: INPUT PORT

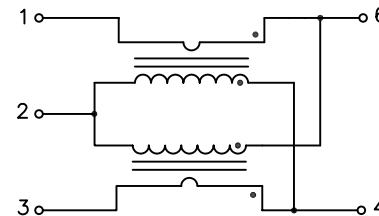
FREQUENCY	
5-900 MHz	18 dB MIN

#### RETURN LOSS: OUTPUT PORT

FREQUENCY	
5-900 MHz	18 dB MIN

#### RETURN LOSS: COUPLED PORT

FREQUENCY	
5-900 MHz	19 dB MIN



SCHEMATIC

DESIGNATION	
COUPLED PORT	PIN 3
GROUND	PIN 2
INPUT PORT	PIN 1
OUTPUT PORT	PIN 6
ISOLATED, EXTERNAL 75 OHM	PIN 4

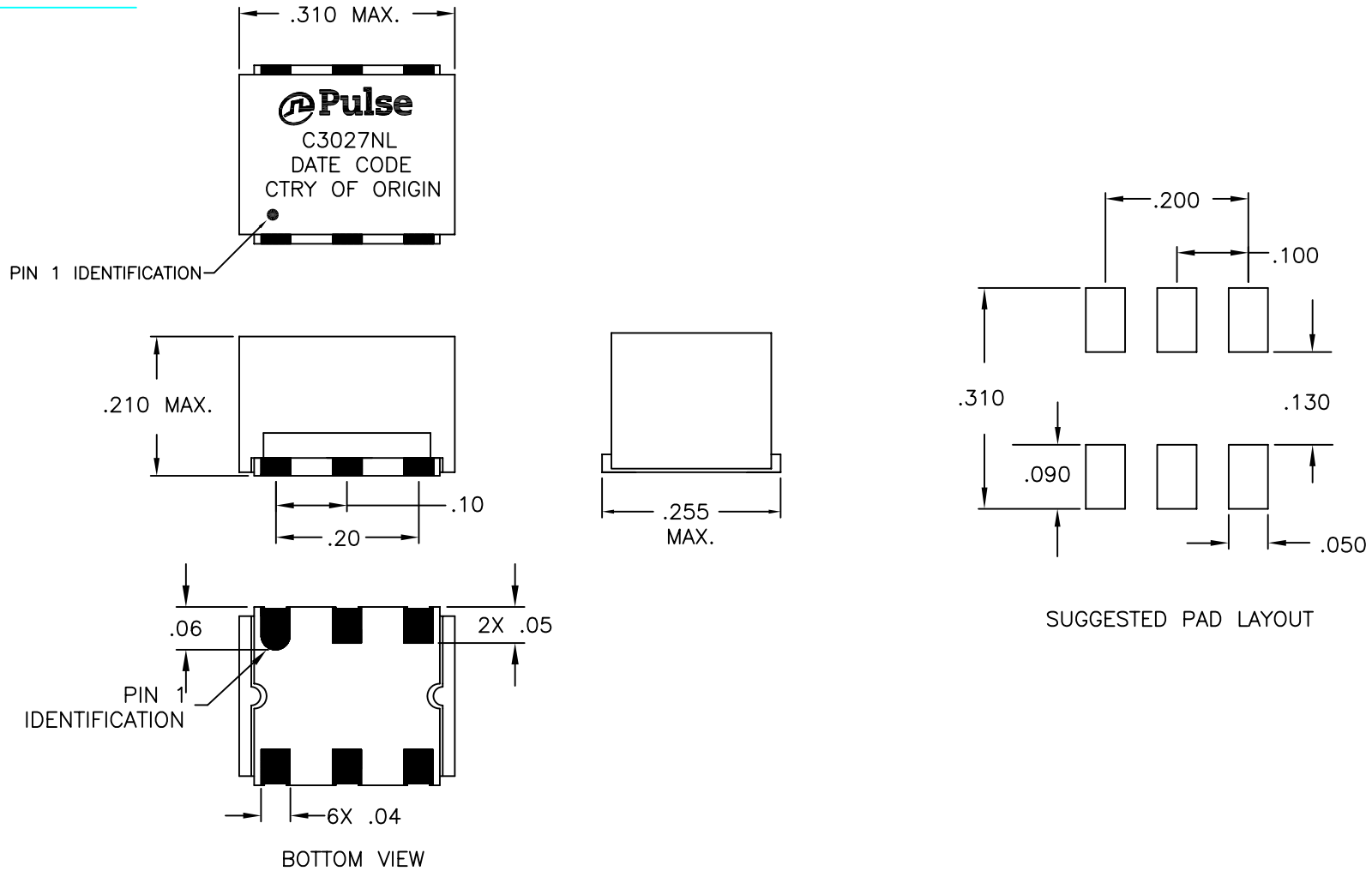
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PROPRIETARY

PRODUCT SPECIFICATION:  
CPLR,DIR16DB,INDY,UNTERM

DWG. NO./ PART NO.	SHEET:	REV.
C3027NL	1	M13

**MECHANICAL SPECIFICATIONS:**



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PRODUCT SPECIFICATION:  
CPLR,DIR16DB,INDY,UNTERM

DWG. NO./ PART NO.	SHEET:	REV.
C3027NL	2	M13