

## 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

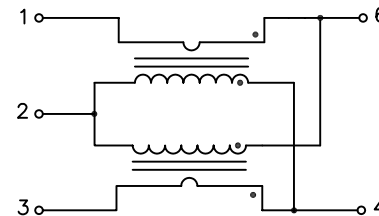
| FREQUENCY |           |
|-----------|-----------|
| 5-900 MHz | 18 dB MIN |

#### 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,<br>EXTERNAL 75 OHM | PIN 4 |

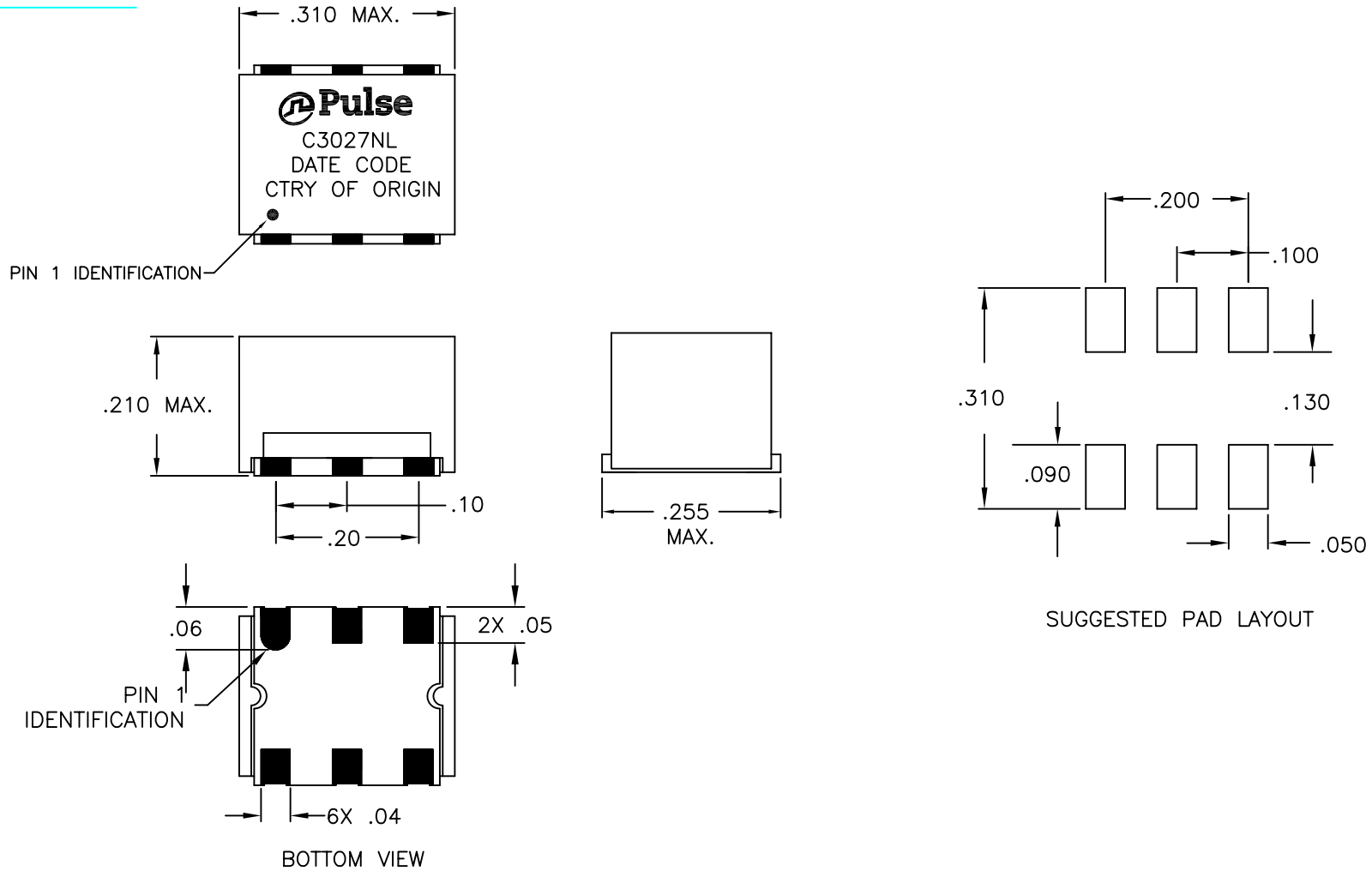
© Copyright, 2012. Pulse Engineering, Inc. All rights reserved. Drawing specifications subject to change without notice. Date (11/14/12)

PULSE CONFIDENTIAL  
&  
PROPRIETARY

PRODUCT SPECIFICATION:  
CPLR,DIR16DB,INDY,UNTERM

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

**MECHANICAL SPECIFICATIONS:**



© Copyright, 2012. Pulse Engineering, Inc. All rights reserved. Drawing specifications subject to change without notice. Date (11/14/12)

PULSE CONFIDENTIAL  
&  
PROPRIETARY

PRODUCT SPECIFICATION:  
CPLR,DIR16DB,INDY,UNTERM

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

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Signal Conditioning category](#):*

*Click to view products by [Pulse manufacturer](#):*

Other Similar products are found below :

[MAPDCC0004](#) [PD0409J5050S2HF](#) [880157](#) [HHS-109-PIN](#) [DC1417J5005AHF](#) [DC4859J5005AHF](#) [AFS14A30-2185.00-T3](#) [AFS14A35-1591.50-T3](#) [DS-323-PIN](#) [DSS-313-PIN](#) [B39321R801H210](#) [B39321R821H210](#) [B39921B4317P810](#) [1A0220-3](#) [2089-6207-00](#) [JP510S](#) [LFB212G45SG8C341](#) [LFB322G45SN1A504](#) [LFL182G45TC3B746](#) [SF2159E](#) [30057](#) [1P510S](#) [CER0813B](#) [3A325](#) [40287](#) [41180](#) [ATB3225-75032NCT](#) [B69842N5807A150](#) [BD0810N50100AHF](#) [BD2326L50200AHF](#) [BD2425J50200AHF](#) [HMC189AMS8TR](#) [C5060J5003AHF](#) [JHS-114-PIN](#) [JP503AS](#) [DC0710J5005AHF](#) [DC2327J5005AHF](#) [DC3338J5005AHF](#) [43020](#) [LFB2H2G60BB1C106](#) [LFL15869MTC1B787](#) [X3C19F1-20S](#) [XC3500P-20S](#) [10013-20](#) [SF2081E](#) [SF2194E](#) [SF2238E](#) [CDBLB455KCAX39-B0](#) [RF1353C](#) [PD0922J5050D2HF](#)