

## 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

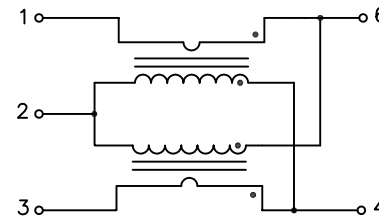
| FREQUENCY |           |
|-----------|-----------|
| 5–900 MHz | 18 dB MIN |

#### 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.

C3027NL

SHEET:

1

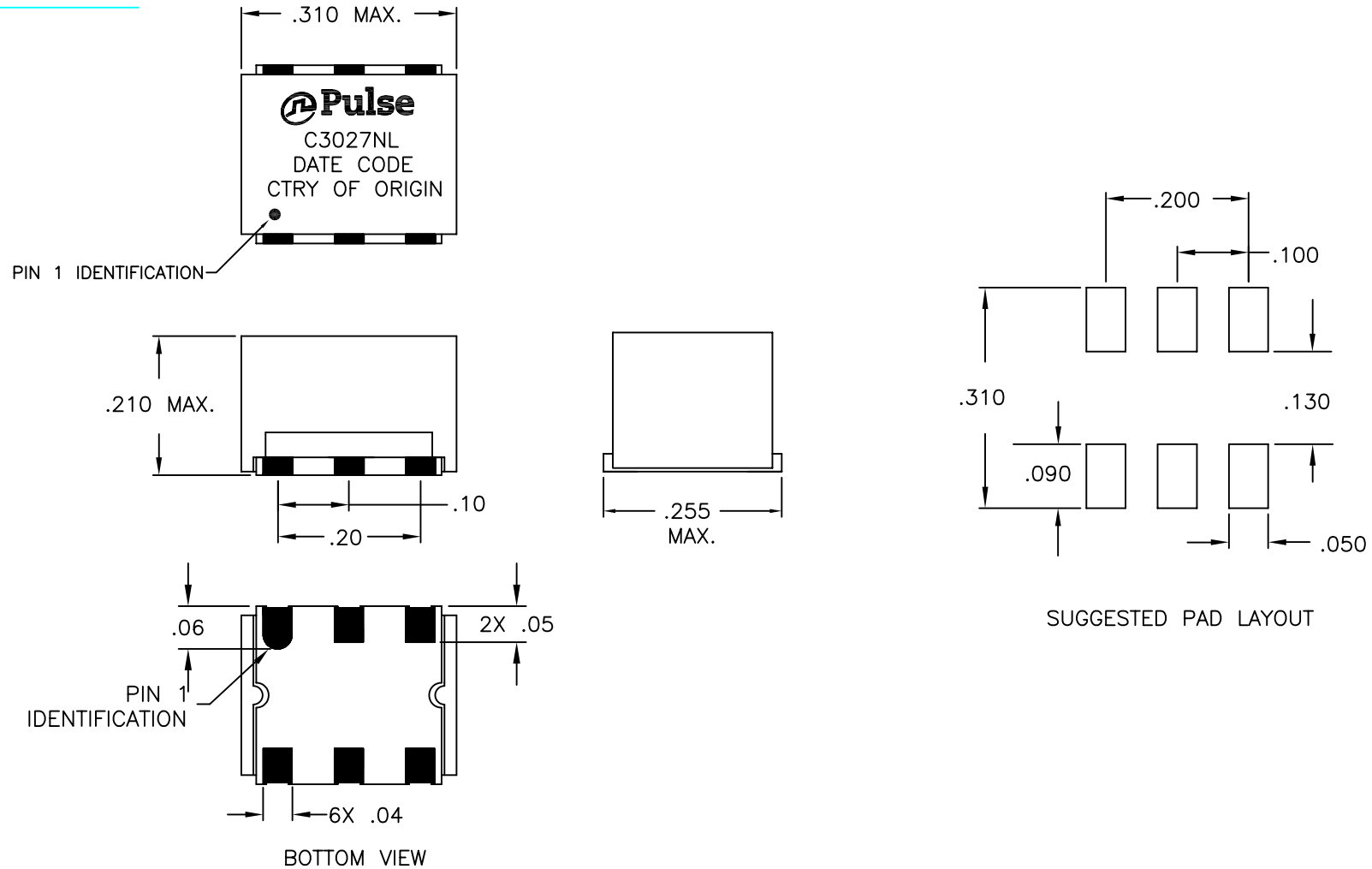
REV.

M13

Pulse Electronics

12220 World Trade Drive  
San Diego, CA, USA, 92128  
Tel: 858 674 8100

**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  |