

## C8017NL

- FILTER MODULE
- 1125–1525 MHz
- IMPEDANCE = 75 OHMS
- SURGE 3KV, 120A, 100/1000uS
- THROUGH HOLE
- METAL CAN WITH F-CONNECTOR PORT
- DESIGNED FOR MOCA APPLICATIONS

NOTES: UNLESS OTHERWISE SPECIFIED

1. METAL HOUSING, SPTe
2. F-TYPE CONNECTOR
3. OPERATING TEMPERATURE: 0°C TO +70°C
4. JEDEC MOISTURE: LEVEL 1.
5. DIMENSIONS ARE IN MM WITH THE FOLLOWING TOLERANCE:  
.XX=  $\pm 0.25$   
.XXX=  $\pm 0.13$
6. ROHS COMPLIANT



## ELECTRICAL SPECIFICATIONS: $\ominus$ 25°C

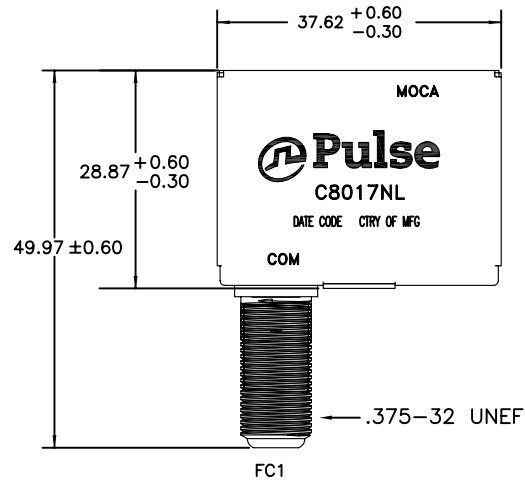
### INSERTION LOSS: COMMON TO MOCA

| FREQUENCY     |             |
|---------------|-------------|
| 5–600 MHz     | –40 dB MIN  |
| 601–1025 MHz  | –38 dB MIN  |
| 1125–1525 MHz | –3.0 dB MAX |
| 2300 MHz      | –41 dB MIN  |
| 3000 MHz      | –31 dB MIN  |
| 4600 MHz      | –25 dB MIN  |
| 6000 MHz      | –5.0 dB MIN |

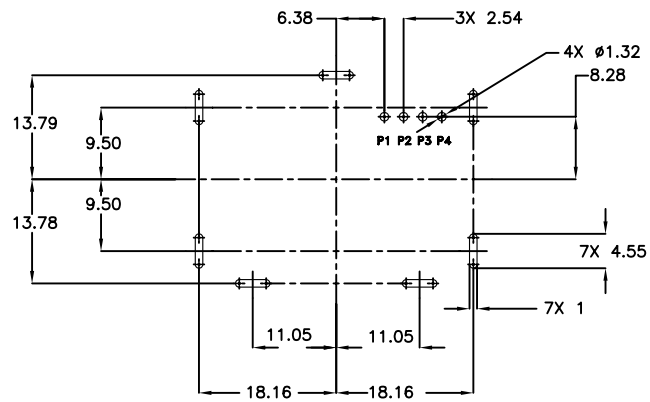
### RETURN LOSS: COMMON PORT

| FREQUENCY     |            |
|---------------|------------|
| 1125–1525 MHz | –10 dB MIN |

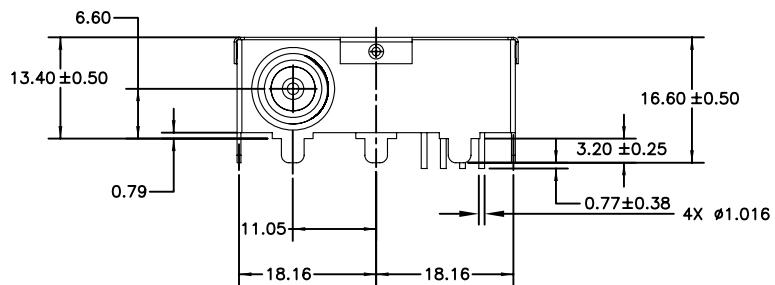
**MECHANICAL SPECIFICATIONS:**



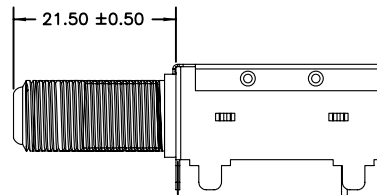
**TOP VIEW**



**SUGGESTED PAD LAYOUT  
TOP VIEW**



**FRONT VIEW**



**SIDE VIEW**

| DESIGNATIONS      |              |
|-------------------|--------------|
| COMMON PORT (COM) | FC1          |
| MOCA              | PIN 1        |
| GROUND (GND)      | PINS 2, 3, 4 |

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&  
PROPRIETARY

PRODUCT SPECIFICATION:  
FLTR, MDL, 1125-1525 MHz, 1FC, TH

|                    |        |      |
|--------------------|--------|------|
| DWG. NO./ PART NO. | SHEET: | REV. |
| C8017NL            | 2      | M11  |