



### Features and Benefits

Center frequency: 422MHz  
I.L: 3.5dB Max.  
Operating temperature: -40°C to +85°C  
Size: 3x3x1.4mm  
Package type: Surface Mount



### Typical Applications

IOT  
Cellular  
Telecom  
4G/LTE  
Wireless Communication  
WLAN  
Base Station  
Radar

### Mechanical Drawing & Pin Connections

Drawing No: MD240080-1



| PIN    | Function |
|--------|----------|
| #2     | INPUT    |
| #5     | OUTPUT   |
| Others | GND      |

Unit in mm  
1mm = 0.0394 inches  
Not Specified Tolerance: ±0.2mm



## Specifications

| Parameter                               |     | Min. | Typical | Max. | Units |
|---|-----|------|---------|------|-------|
| Center Frequency                        | Fc  |      | 422     |      | MHz   |
| Insertion Loss (420~424 MHz)            | IL  |      | 1.9     | 3.5  | dB    |
| Amplitude Ripple (420~424 MHz)          |     |      | 0.3     | 1.6  | dB    |
| VSWR (420~424 MHz)                      |     |      | 1.5     | 2.4  |       |
| Attenuation (Reference level from 0 dB) |     |      |         |      |       |
| 10~380                                  | MHz | 55   | 71      |      | dB    |
| 380~405                                 | MHz | 45   | 56      |      | dB    |
| 414                                     | MHz | 10   | 69      |      |       |
| 440~450                                 | MHz | 30   | 39      |      | dB    |
| 450~700                                 | MHz | 50   | 58      |      | dB    |
| 700~1000                                | MHz | 42   | 56      |      | dB    |
| Input Power Level                       |     |      | 10      |      | dBm   |
| DC Voltage                              |     |      | 3       |      | V     |
| Operating Temperature Range             |     | -40  |         | +85  | °C    |
| Storage Temperature Range               |     | -40  |         | +85  | °C    |