

## Dynamic Engineers Inc.

Website: www.DynamicEngineers.com Email: Inquiry@DynamicEngineers.com

#### **Features and Benefits**

Center frequency: 389.7MHz I.L: 4dB Max. Operating temperature: -30°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount



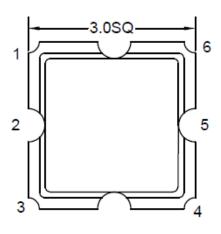
#### **Typical Applications**

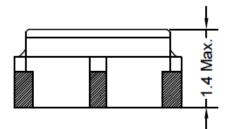
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN **Base Station** Radar

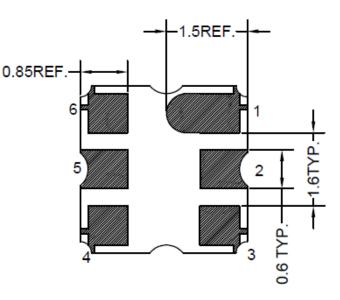
#### **Mechanical Drawing & Pin Connections**



MD240080-1







|                                 |        |          | _ |  |  |  |  |  |
|---------------------------------|--------|----------|---|--|--|--|--|--|
|                                 | PIN    | Function |   |  |  |  |  |  |
|                                 | #2     | INPUT    |   |  |  |  |  |  |
|                                 | #5     | OUTPUT   |   |  |  |  |  |  |
|                                 | Others | GND      |   |  |  |  |  |  |
| Unit in mm                      |        |          |   |  |  |  |  |  |
| 1mm = 0.0394 inches             |        |          |   |  |  |  |  |  |
| Not Specified Tolerance: ±0.2mm |        |          |   |  |  |  |  |  |

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### **Specifications**

| Parameter                               |    | Min.          | Typical | Max. | Units |  |  |
|---|----|---------------|---------|------|-------|--|--|
| Center Frequency                        | Fc |               | 389.7   |      | MHz   |  |  |
| Insertion Loss (385.7~393.7 MHz)        |    | 2.6           | 4       | dB   |       |  |  |
| Ripple (385.7~393.7 MHz)                |    | 0.6           | 2       | dB   |       |  |  |
| Attenuation (Reference level from 0 dB) |    |               |         |      |       |  |  |
| 0.3~368.7 MHz                           |    | 35            | 55      |      | dB    |  |  |
| 428.7~700 MHz                           |    | 35            | 48      |      | dB    |  |  |
| In/Out Impedance (Single)               |    | 50            |         | ohm  |       |  |  |
| Input Power Level                       |    | 10            |         | dBm  |       |  |  |
| DC Voltage                              |    | 5             |         | V    |       |  |  |
| Operating Temperature Range             |    | -30           |         | +85  | °C    |  |  |
| Storage Temperature Range               |    | -55           |         | +85  | °C    |  |  |
| Moisture Sensitivity Level              |    | Level 1(MSL1) |         |      |       |  |  |

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