

# Dynamic Engineers Inc.

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

#### **Features and Benefits**

Center frequency: 380MHz I.L: 4dB Max. Operating temperature: -40°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount



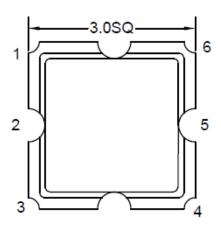
## **Typical Applications**

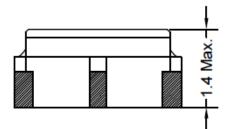
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN **Base Station** Radar

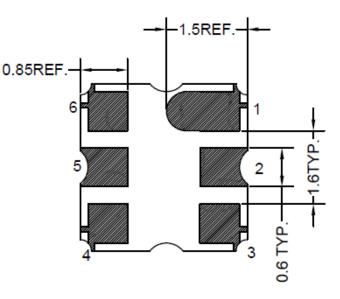
#### **Mechanical Drawing & Pin Connections**



MD240080-1







|                                 | PIN     | Function                                   |  |  |  |  |  |
|---------------------------------|---------|--|--|--|--|--|--|
|                                 | #2      | INPUT                                      |  |  |  |  |  |
|                                 | #5      | OUTPUT                                     |  |  |  |  |  |
|                                 | Others  | GND  |  |  |  |  |  |
| Unit in mm                      |         |  |  |  |  |  |  |
|                                 | 1mm = 0 | INPUT<br>OUTPUT<br>GND<br>m<br>0394 inches |  |  |  |  |  |
| Not Specified Tolerance: ±0.2mm |         |  |  |  |  |  |  |

Dynamic Engineers reserves the right to make changes to the company datasheet(s) along with other information contained inside; such as data tables and araphs without notification to potential customers who may have earlier revisions in their possession.



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## **Specifications**

| Parameter                              |     | Min.          | Typical | Max. | Units |
|--|-----|---------------|---------|------|-------|
| Center Frequency                       | Fc  |               | 380     |      | MHz   |
| Insertion Loss (376~384 MHz) IL        |     |               | 2.5     | 4    | dB    |
| Ripple (376~384 MHz)                   |     | 0.6           | 2       | dB   |       |
| Attenuation (Reference level from 0 of | dB) |               |         |      |       |
| 0.3~359 MHz                            |     | 35            | 52      |      | dB    |
| 419~700 MHz                            |     | 35            | 46      |      | dB    |
| In/Out Impedance (Single)              |     | 50            |         | ohm  |       |
| Input Power Level                      |     | 10            |         | dBm  |       |
| DC Voltage                             |     |               | 5       |      | V     |
| Operating Temperature Range            |     | -40           |         | +85  | °C    |
| Storage Temperature Range              |     | -40           |         | +85  | С°    |
| Moisture Sensitivity Level             |     | Level 1(MSL1) |         |      |       |

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