

Dynamic Engineers Inc.

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

Features and Benefits

Center frequency: 790MHz I.L: 5.0dB Max. Operating temperature: -40°C to +105°C Size: 3x3x1.4mm Package type: Surface Mount SF3030AO-790MHz-A 790MHz Small Size SMD SAW Filter



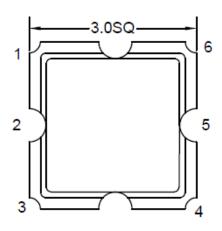
Typical Applications

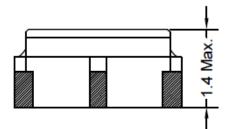
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

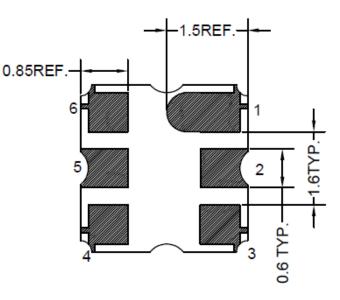
Mechanical Drawing & Pin Connections



MD240080-1







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

Dynamic Engineers, Inc.

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



Dynamic Engineers Inc.

Website: <u>www.DynamicEngineers.com</u> Email: <u>Inquiry@DynamicEngineers.com</u>

Specifications

| Parameter | Min. | Typical | Max. | Units | | |
|---|----------------|---------|------|--------|--|--|
| Center Frequency Fc | | 790 | | MHz | | |
| Insertion Loss (770~810 MHz) (0°C to +50°C) IL | | 2.7 | 3.5 | dB | | |
| Insertion Loss (770~810 MHz) (-40°C to +105°C) IL | | 2.7 | 5.0 | dB | | |
| Return Loss (770~810 MHz) (0°C to +50°C) | 12 | 16 | | dB | | |
| Pass Band (770~810 MHz) | 40 | 52 | | MHz | | |
| Attenuation (Reference level from 0dB) | | | | | | |
| 10 ~ 520 MHz | 45 | 52 | | dB | | |
| 520 ~ 700 MHz | 35 | 41 | | dB | | |
| 900 ~ 1240 MHz | 38 | 43 | | dB | | |
| 1240 ~ 1450 MHz | 32 | 38 | | dB | | |
| Temperature Coefficient of Frequency | | -75 | | ppm/°C | | |
| Input Power Level | | 20* | | dBm | | |
| DC Voltage | | 5 | | V | | |
| Operating Temperature Range | -40 | | +105 | °C | | |
| Storage Temperature Range | -40 | | +105 | °C | | |
| Moisture Sensitivity Level | Level 1 (MSL1) | | | | | |

Note: * CW for 70000hrs at 25°C