

Dynamic Engineers Inc.

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

Features and Benefits

Center frequency: 836.5MHz I.L: 3.2dB Max. Operating temperature: -40°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount

SF3030AO-836.5MHz-D 836.5MHz Small Size SMD SAW Filter



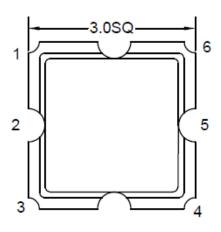
Typical Applications

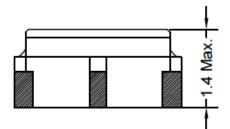
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN **Base Station** Radar

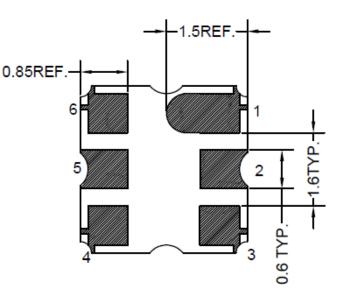
Mechanical Drawing & Pin Connections



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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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 F | c | 836.5 | | MHz | | | |
| Insertion Loss (824~849 MHz) IL | - | 2.5 | 3.2 | dB | | | |
| Amplitude Ripple (824~849 MHz) | | 0.9 | 1.7 | dB | | | |
| VSWR (824~849 MHz) | | 1.7 | 2 | | | | |
| Attenuation (Reference level from 0 dB) | | | | | | | |
| 10~800 MHz | 30 | 51 | | dB | | | |
| 869~894 MHz | 17 | 26.5 | | dB | | | |
| 894~920 MHz | 34 | 39 | | dB | | | |
| 920~1210 MHz | 40 | 60 | | dB | | | |
| 1210~1500 MHz | 30 | 58 | | dB | | | |
| 1500~2000 MHz | 25 | 45 | | dB | | | |
| 2000~2600 MHz | 20 | 33 | | dB | | | |
| 2600~3000 MHz | 15 | 28 | | dB | | | |
| Input Power Level | | 10 | | dBm | | | |
| DC Voltage | | 3 | | V | | | |
| Operating Temperature Range | -40 | | +85 | °C | | | |
| Storage Temperature Range | -40 | | +95 | °C | | | |
| Moisture Sensitivity Level | | Level 1(MSL1) | | | | | |