

Dynamic Engineers Inc.

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

Features and Benefits

Center frequency: 915.5MHz I.L: 3dB Max. Operating temperature: -30°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount

SF3030AO-915.5MHz-A 915.5MHz Small Size SMD SAW Filter



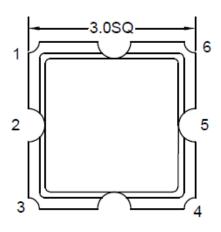
Typical Applications

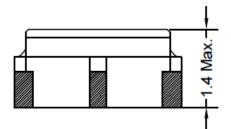
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN **Base Station** Radar

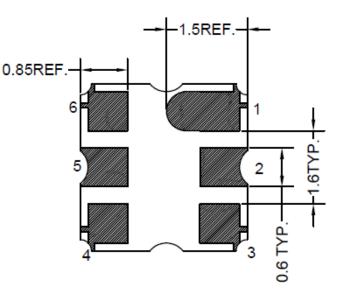
Mechanical Drawing & Pin Connections



MD240080-1







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

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 | | 915.5 | | MHz | |
| Insertion Loss (902.5~928.5 MHz) | | 2.3 | 3 | dB | | |
| Amplitude Ripple (902.5~928.5 MHz) | | 0.6 | 1.5 | dB | | |
| VSWR (902.5~928.5 MHz) | | 1.7 | 2.3 | | | |
| Group Delay at Fc | | 31 | 100 | ns | | |
| Attenuation (Reference level from 0 dB) | | | | | | |
| 10~849.2 MHz | | 51 | 56 | | dB | |
| 849.2~865 MHz | | 51 | 53 | | dB | |
| 995~1710.2 MHz | | 51 | 54 | | dB | |
| 1710.2~1909.8 MHz | | 41 | 55 | | dB | |
| 1909.8~2500 MHz | | 30 | 40 | | dB | |
| Temperature Coefficient of Frequency | | -36 | | ppm/°C | | |
| Input Power Level | | 15 | | dBm | | |
| DC Voltage | | 5 | | V | | |
| Operating Temperature Range | -30 | | +85 | °C | | |
| Storage Temperature Range | | -40 | | +85 | °C | |