

Dynamic Engineers Inc.

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

Features and Benefits

Center frequency: 862MHz I.L: 2.8dB Max. Operating temperature: -30°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount SF3030AO-862MHz-A 862MHz Small Size SMD SAW Filter



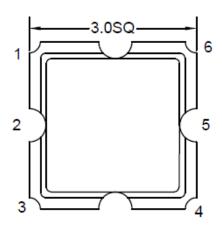
Typical Applications

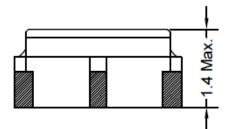
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

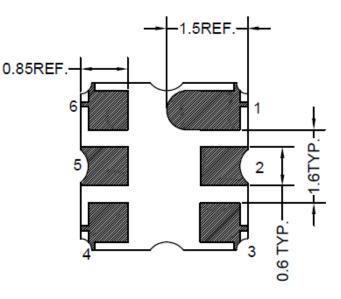
Mechanical Drawing & Pin Connections



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 graphs 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 | | 862 | | MHz | |
| Insertion Loss (854~870 MHz) | IL | | 2.0 | 2.8 | dB | |
| Amplitude Ripple (854~870 MHz) | | | 0.4 | 1.0 | dB | |
| VSWR (854~870 MHz) | | | 1.5 | 2.0 | | |
| Attenuation (Reference level from 0 dB) | | | | | | |
| 40 ~ 200 MHz | · | 40 | 68 | | dB | |
| 650 ~ 800 MHz | | 20 | 50 | | dB | |
| 800 ~ 830 MHz | | 15 | 41 | | dB | |
| 885 ~ 902 MHz | | 6 | 14 | | dB | |
| 990 ~ 1025 MHz | | 45 | 65 | | dB | |
| 1025 ~ 1600 MHz | | 50 | 55 | | dB | |
| 1600 ~ 3000 MHz | | 25 | 29 | | dB | |
| Temperature Coefficient of Frequen | | -36 | | ppm/°C | | |
| Input Power Level | | | 16 | | dBm | |
| DC Voltage | | 3 | | V | | |
| Operating Temperature Range | -30 | | +85 | °C | | |
| Storage Temperature Range | | -40 | | +95 | °C | |