

Dynamic Engineers Inc.

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

SF3030AO-1765MHz-A 1765MHz Small Size SMD SAW Filter

Features and Benefits

Center frequency: 1765MHz

I.L: 3.0dB Max.

Operating temperature: -20°C to +75°C

Size: 3x3x1.4mm

Package type: Surface Mount



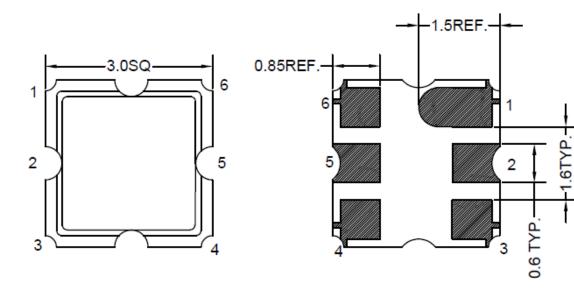
Typical Applications

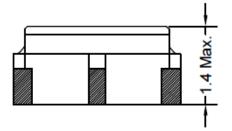
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

Mechanical Drawing & Pin Connections

Drawing No:

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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Specifications

| Parameter | Min. | Typical | Max. | Units | |
|---|------|---------|------|-------|--|
| Center Frequency Fc | | 1765 | | MHz | |
| Insertion Loss (1750~1780 MHz) IL | | 2.0 | 3.0 | dB | |
| Amplitude Ripple (1750~1780 MHz) | | 0.5 | 1.8 | dB | |
| VSWR (1750~1780 MHz) | | 1.45 | 2.0 | | |
| Attenuation (Reference level from 0 dB) | | | | | |
| 1350~1380 MHz | 30 | 35.5 | | dB | |
| 1660~1690 MHz | 28 | 37.5 | | dB | |
| 1840~1870 MHz | 30 | 46 | | dB | |
| 2150~2180 MHz | 30 | 42 | | dB | |
| Input Power Level | | 10 | | dBm | |
| DC Voltage | | 3 | | V | |
| Operating Temperature Range | -20 | | +75 | °C | |
| Storage Temperature Range | -40 | | +85 | °C | |