

Dynamic Engineers Inc.

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

SF3030AO-996.34MHz-A

996.34MHz Small Size SMD SAW Filter

Features and Benefits

Center frequency: 996.34MHz

I.L: 4.8dB Max.

Operating temperature: -40°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



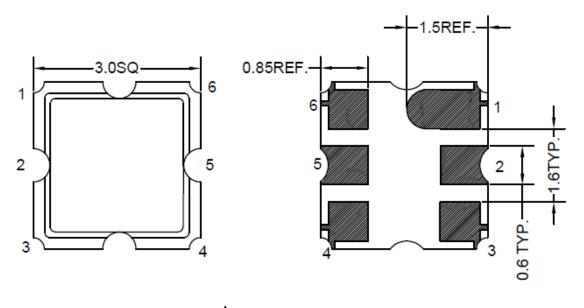
Typical Applications

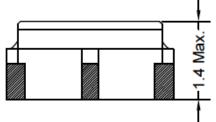
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

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 | | 996.34 | | MHz |
| Insertion Loss at Fc | IL | | 1.9 | | dB |
| Insertion Loss (981.34~1011.34 MHz) | IL | | 2.6 | 4.8 | dB |
| Amplitude Ripple (981.34~1011.34 MHz) | | | 0.85 | 1.6 | dB |
| VSWR (981.34~1011.34 MHz) | | | 1.6 | 2.5 | |
| Group Delay Ripple (981.34~1011.34 MHz) | | | 15 | 80 | nsec |
| 1 dB Bandwidth | | 30 | 38 | | MHz |
| 3 dB Bandwidth | | | 48 | | MHz |
| Attenuation (Reference level from IL) | | | | | |
| 10 ~ 956 MHz | | 40 | 50 | | dB |
| 1046 ~ 1097 MHz | | 28 | 35 | | dB |
| 1097 ~ 1146 MHz | | 40 | 60 | | dB |
| Input Power Level | | | 10 | | dBm |
| DC Voltage | | | 5 | | V |
| Operating Temperature Range | | -40 | | +85 | °C |
| Storage Temperature Range | | -40 | | +85 | °C |