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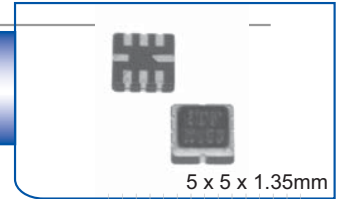
For any questions, you can email us directly:

sales@integrated-circuit.com

SMD 374.0MHz SAW FILTER

AFS374E

APPLICATION: WLAN



STANDARD SPECIFICATIONS:

| CHARACTERISTICS | UNIT | MIN. | TYP. | MAX. |
|------------------------------------|------|----------------|------|------|
| Center Frequency Fc | MHz | - | 374 | - |
| Bandwidth | MHz | 17 | 20.5 | |
| Insertion Loss @ Passband | dB | - | 8.5 | 10.5 |
| Ripple @ Passband | dB | | 0.5 | 1 |
| Relative Attenuation | | | | |
| 309 ~ 352 MHz | dB | 40 | 50 | - |
| 352 ~ 357.5 MHz | dB | 35 | 50 | - |
| 390.5 ~ 392 MHz | dB | 35 | 45 | - |
| 392 ~ 396 MHz | dB | 35 | 40 | - |
| 396 ~ 439 MHz | dB | 38 | 42 | - |
| 439 ~ 454 MHz | dB | 40 | 45 | - |
| Ultimate Rejection | dB | 50 | - | - |
| DC Voltage | V | ±30 | | |
| Source Power | dBm | 0 | | |
| Operating Temperature | °C | -35°C to +85°C | | |
| Storage Temperature | °C | -45°C to +85°C | | |
| Group Delay Ripple p-p @ Fc ± 7MHz | nS | - | 40 | 100 |
| Triple Transit Suppression | dB | 30 | 40 | - |

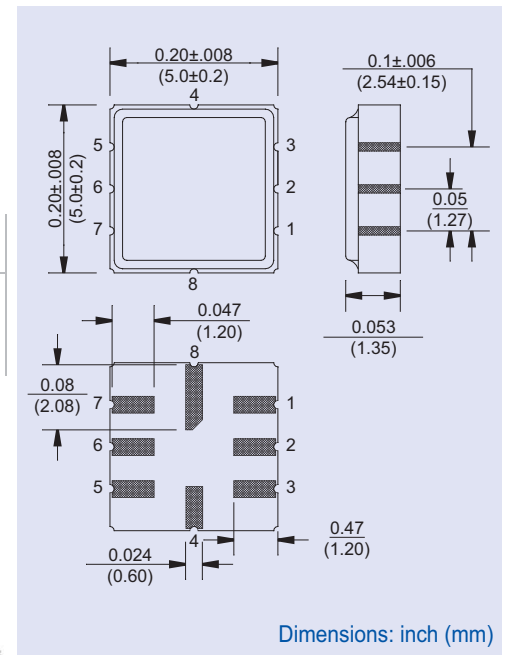
Electrostatic Sensitive Device. Handle with precaution.

MARKING:

- 374.00 (374 Frequency in MHz)
- AF ZYX (ZY: Date code Z for month from A to L; Y for year, i.e. 4 for 2004 X: Traceability code)

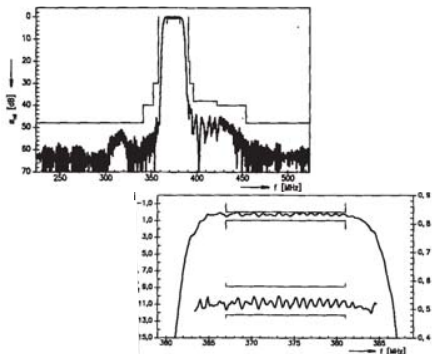
| PIN NO. | CONNECTIONS |
|---------|----------------|
| 1 | GND |
| 2 | Input- or GND |
| 3 | Input+ |
| 4 | Case GND |
| 5 | GND |
| 6 | Output- or GND |
| 7 | Output+ |
| 8 | Case GND |

OUTLINE DRAWING:



The termination shall be suitable for solder reflow.
Note: For the test inductors, please refer to Abracon's chip inductor series: AISC-0603.

FREQUENCY RESPONSE:



TEST CIRCUIT:

