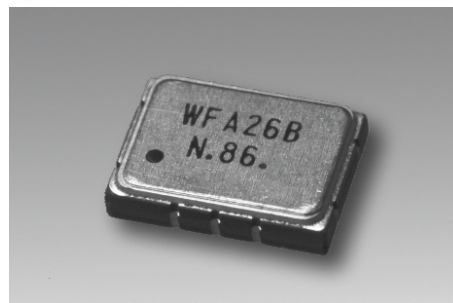


SAW Filter for WiMAX Base Station For Industrial Use

■ Features

- Excellent guaranteed attenuation.
- With a low-band ripple.
- Compact.



Pb
Free

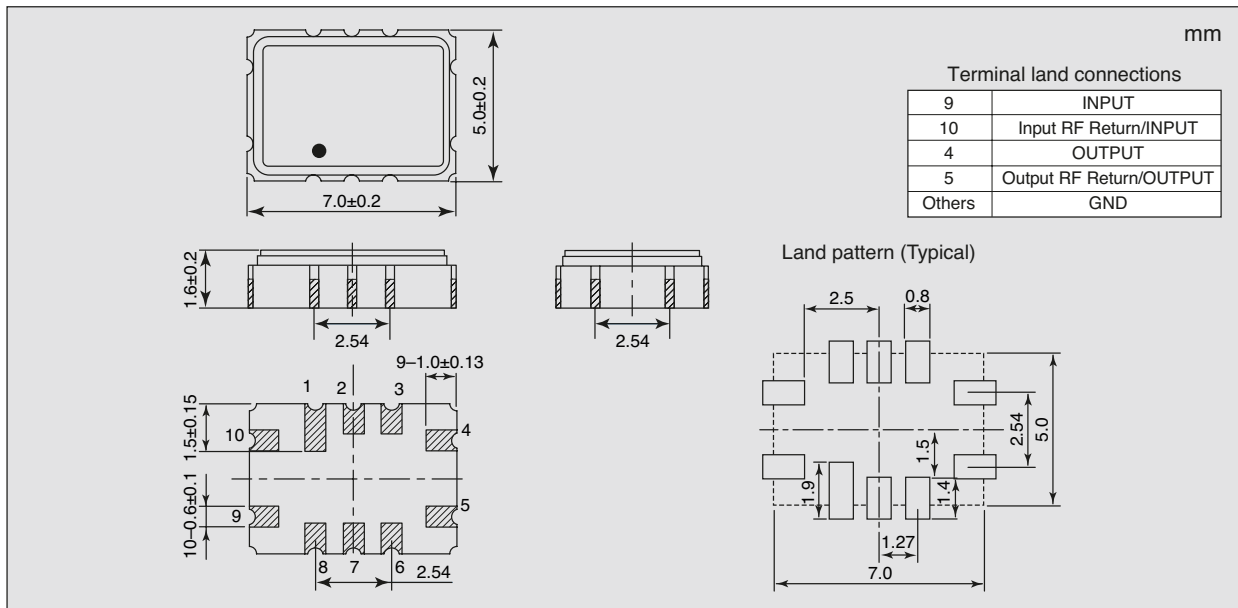
RoHS Compliant
Directive 2002/95/EC

■ Specifications

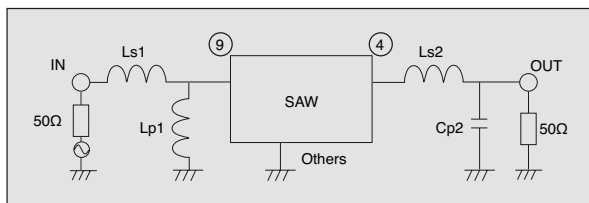
| Model | WFA26B0456CE | | | |
|--|------------------------------------|------|------|-----|
| Item | min. | typ. | max. | |
| Nominal frequency : f_0 (MHz) | – | 456 | – | |
| Minimal insertion loss (dB) | – | 8.30 | 13.0 | |
| Pass-band ripple (dB) $f_0 \pm 3.4$ MHz | – | 0.49 | 1.00 | |
| Return loss (dB) $f_0 \pm 3.4$ MHz | 10 | 15.0 | – | |
| Group delay deviation (ns) $f_0 \pm 3.4$ MHz | – | 74.5 | 250 | |
| Absolute delay time (μ s) at f_0 | – | 0.70 | 3.0 | |
| Guaranteed attenuation (dB) (from the minimal insertion loss) | $f_0 - 3.4$ MHz to $f_0 + 3.4$ MHz | – | 0.49 | 1.0 |
| | $f_0 - 3.7$ MHz to $f_0 + 3.7$ MHz | – | 0.49 | 3.0 |
| | $f_0 - 455$ MHz to $f_0 - 200$ MHz | 30 | 59.4 | – |
| | $f_0 - 200$ MHz to $f_0 - 44$ MHz | 40 | 49.1 | – |
| | $f_0 - 44$ MHz to $f_0 - 36$ MHz | 45 | 50.6 | – |
| | $f_0 - 36$ MHz to $f_0 - 6.7$ MHz | 40 | 44.1 | – |
| | $f_0 + 6.7$ MHz to $f_0 + 36$ MHz | 40 | 41.2 | – |
| | $f_0 + 36$ MHz to $f_0 + 44$ MHz | 45 | 50.6 | – |
| | $f_0 + 44$ MHz to $f_0 + 200$ MHz | 40 | 49.2 | – |
| $f_0 + 200$ MHz to $f_0 + 490$ MHz | 30 | 65.9 | – | |
| Operating temperature range (°C) | –40 to +85 | | | |
| Terminating impedance (Single end) (Ω) | 50 | | | |
| Terminating impedance (Balanced) (Ω) | 200 | | | |

SAW Filter for WiMAX Base Station For Industrial Use

■ Dimensions



■ Matching Circuit



■ Characteristics

