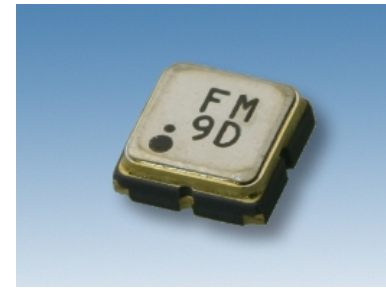


WFL46B1583CD For Automotive

■ Features

- 1.2GHz and 1.5GHz dual band SAW Filter for Automotive GNSS.
- Compact. (Typ. 3.0x3.0mm)
- Support a wide operating temperature range(-45°C to +105°C).
- Excellent shock resistance.
- A filter with low insertion attenuation.
- Meets the requirements for re-flow profiling using lead-free solder.
- Conforms to AEC-Q200.



Pb free

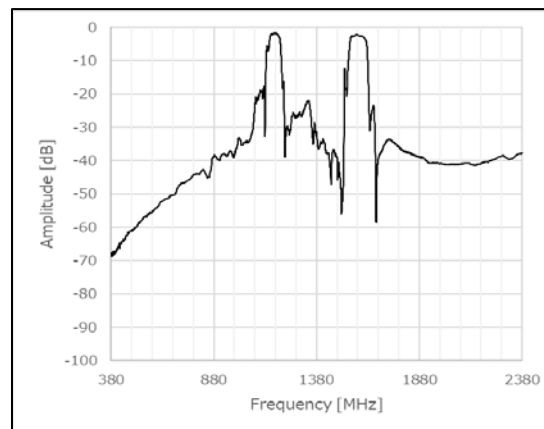
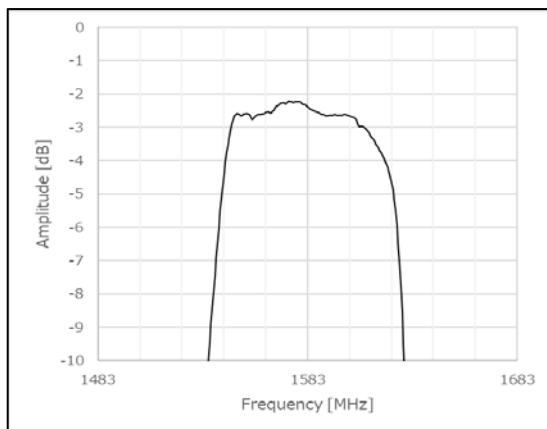
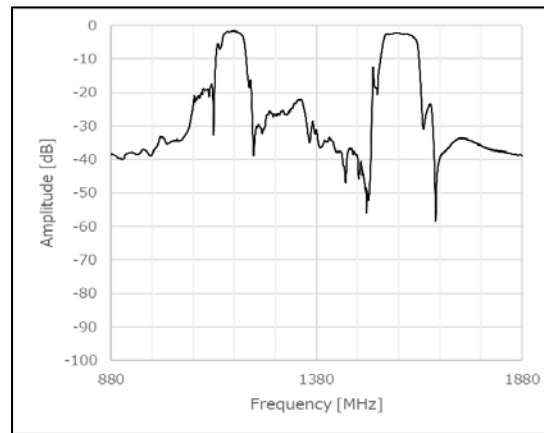
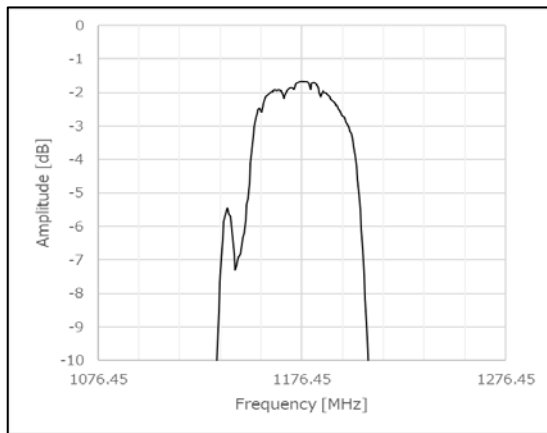
RoHS Compliant
Directive 2011/65/EU
Directive (EU) 2015/863

■ Specifications

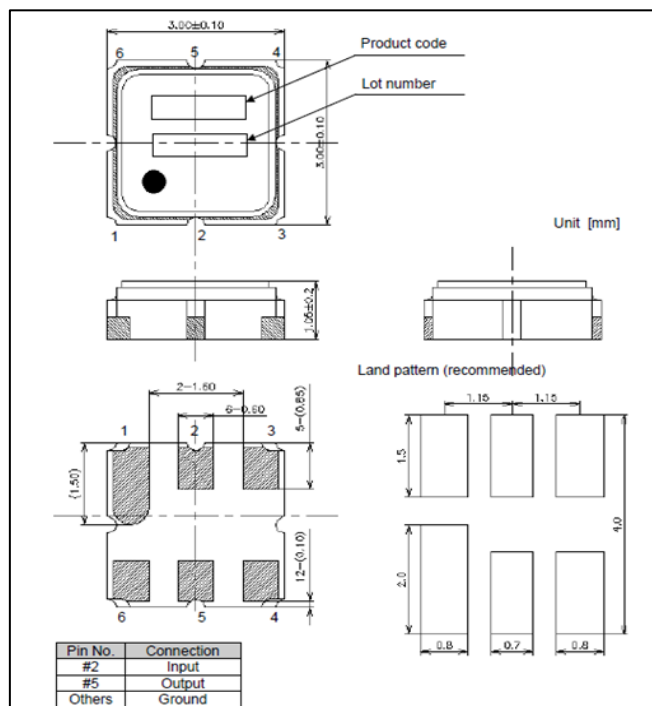
Nominal Frequency1 (MHz)		1176.45
Pass band1 (MHz)		1166.22 ~ 1186.68
Insertion loss (dB)	1166.22 ~ 1186.68 MHz	3.2 Max.
Ripple (dB)	1166.22 ~ 1186.68 MHz	1.5 Max.
VSWR	1166.22 ~ 1186.68 MHz	2.3 Max.
Group Delay Ripple (nsec)	1166.22 ~ 1186.68 MHz	13 Max.
Nominal Frequency2 (MHz)		1583
Pass band2 (MHz)		1559 ~ 1607
Insertion loss (dB)	1559 ~ 1607 MHz	3.8 Max.
Ripple (dB)	1559 ~ 1607 MHz	1.5 Max.
VSWR	1559 ~ 1607 MHz	2.5 Max.
Group Delay Ripple (nsec)	1559 ~ 1607 MHz	13 Max.
Attenuation / absolute value (dB)	1 100 ~ 600 MHz	35 Min.
	2 600 ~ 1000 MHz	15 Min.
	3 1300 ~ 1400 MHz	15 Min.
	4 2000 ~ 3000 MHz	25 Min.
Operating Temp. Range		-40 to +105°C

WFL46B1583CD For Automotive

■ Characteristics



■ Dimensions



■ Matching Circuit

