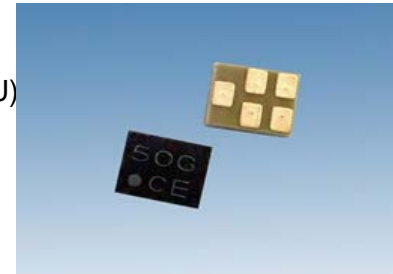


## WFF93A1582UE For Automotive

### ■ Features

- 1.5GHz band SAW Filter for Automotive GNSS(e.g., GPS, GLONASS, or BEIDOU)
- Ultra compact and thin. (1.4×1.1×0.6mm)
- Support a wide operating temperature range (-40°C to +105°C).
- A filter with low insertion attenuation.
- Meets the requirements for re-flow profiling using lead-free solder.
- Conforms to AEC-Q200.



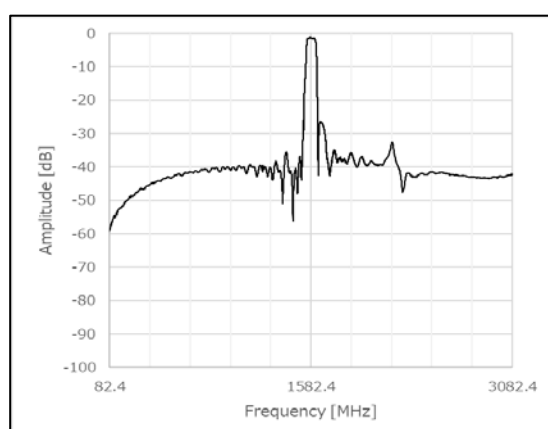
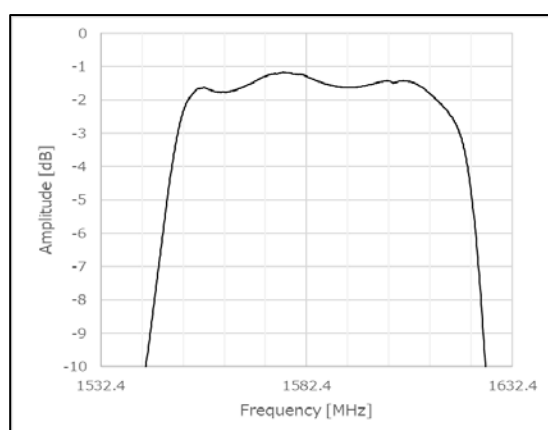
Pb free

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

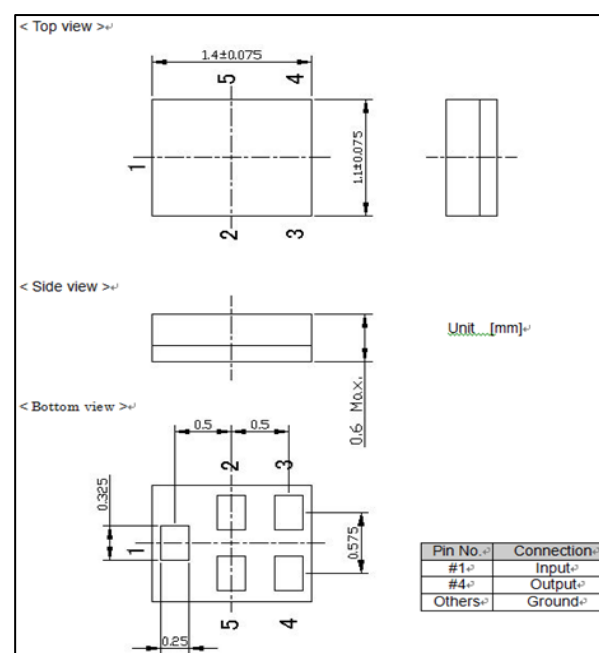
### ■ Specifications

Nominal Frequency (MHz)		1582.355
Insertion loss (dB)	1 1574.42 ~ 1576.42 MHz (GPS)	1.7 Max
	2 1559.05 ~ 1563.15 MHz (BEIDOU)	2.3 Max
	3 1573.37 ~ 1577.47 MHz (GALILEO)	2.0 Max
	4 1597.78 ~ 1605.66 (GLONASS)	2.3 Max
VSWR	1 1574.42 ~ 1576.42 MHz (GPS)	2.0 Max
	2 1559.05 ~ 1563.15 MHz (BEIDOU)	2.1 Max
	3 1573.37 ~ 1577.47 MHz (GALILEO)	2.0 Max
	4 1597.78 ~ 1605.66 (GLONASS)	2.2 Max
Group delay variation (nsec)	1597.78 ~ 1605.66 (GLONASS)	18 Max
Attenuation / absolute value (dB)	1 40 ~ 1000 MHz	38 Min
	2 1427 ~ 1453 MHz	38 Min
	3 1710 ~ 2000 MHz	30 Min
	4 2400 ~ 2600 MHz	38 Min
	5 2600 ~ 3000 MHz	34 Min
Operating Temp. Range		-40 to +105°C

### ■ Characteristics



### ■ Dimensions



### ■ Matching Circuit

