SAW Device

Crystal Bridge to the Future

WFC68W0315CH

For Automotive

■ Features

SAW Filter for Remote Keyless Entry System (315MHz).

- ●Compact. (3.0×3.0mm)
- ●Support a wide operating temperature range (-40°C to + 95 °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

■ Specifications

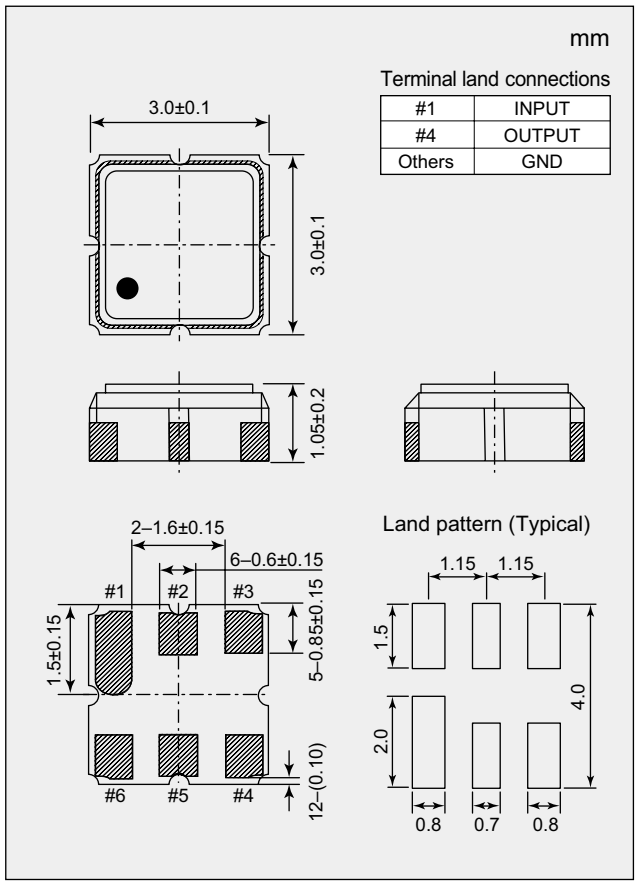
Model		WFC68W0315CH		
Item		Min.	Typ.	Max.
Nominal Frequency (MHz)		–	315	–
Minimum Insertion Attenuation (dB)		–	2.3	2.9
Pass Band Ripple (314.82 to 315.18MHz) (ns)		–	0.8	3.0
Guaranteed Attenuation (dB) (Relative Minimum Insertion Attenuation)	10 to 280MHz	50	55	–
	280 to 295MHz	45	50	–
	295 to 308MHz	38	44	–
	308 to 312.8MHz	25	33	–
	312.8 to 313.2MHz	33	40	–
	313.2 to 314.1MHz	12	16	–
	315.9 to 316.5MHz	16	20	–
	316.5 to 320MHz	20	25	–
	320 to 325MHz	13	18	–
	325 to 335MHz	36	44	–
	335 to 380MHz	43	55	–
	380 to 600MHz	50	63	–
	600 to 1500MHz	60	65	–
	1500 to 2500MHz	50	62	–
Operating Temperature Range (°C)		–40 to +95		
Terminating Impedance (Ω)		50 (with matching)		

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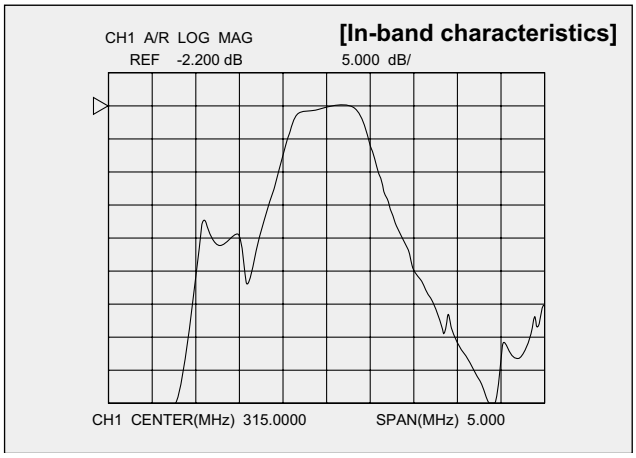
WFC68W0315CH

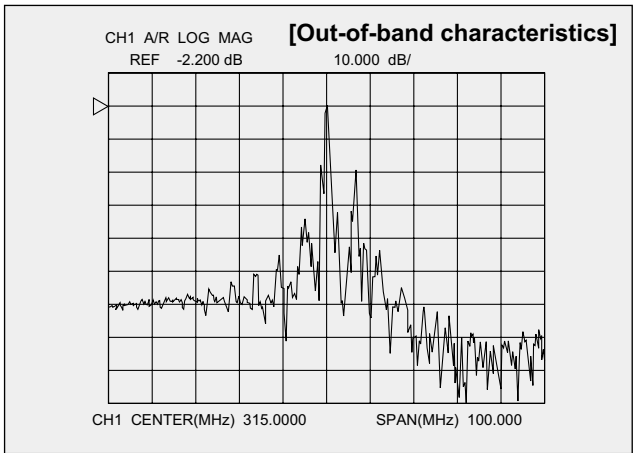
For Automotive

■ Dimensions



■ Characteristics





■ Matching Circuit

