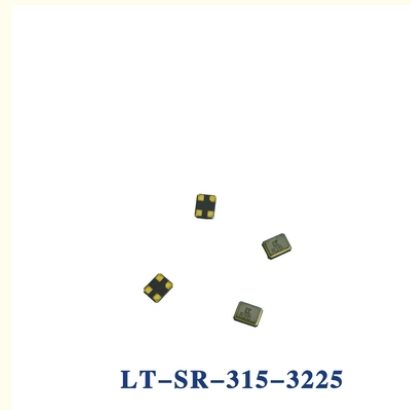


## Surface Acoustic Wave Saw Resonators 314.925MHz To 315.075MHz

### Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-SR-315-3225
- Minimum Order Quantity: 1
- Packaging Details: carton packing
- Delivery Time: 4 weeks
- Payment Terms: T/T



### Product Specification

- Highlight: saw resonator oscillator,  
High Temperature SAW Resonator,  
314.925MHz saw resonator

## Product Description

LT-SR-315-3225 LT-SR Series SAW Resonators with Frequency Range 314.925MHz to 315.075MHz  
**314.925MHz to 315.075MHz LT-SR Series SAW Resonator**

### Quick Detail:

- Aluminum Housing
- -20°C~+70°C Operating Temperature
- SMD Package
- DC Voltage:  $\pm 30V$
- RF Power Dissipation: 0dBm
- CE, RoHS, REACH Compliant
- 1 Year Warranty

### Description:

The LT-SR-315-3225 from ZR is a SAW Resonator with Frequency 314.925 to 315.075 MHz, Centre Frequency 315 MHz, Insertion Loss 1.0 to 2.0 dB, Capacitance 2.5 pF, Quality Factor Loaded 12588. Tags: Surface Mount, SAW Resonator. More details for LT-SR-315-3225 can be seen below.

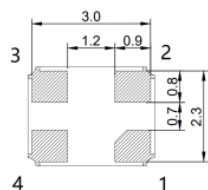
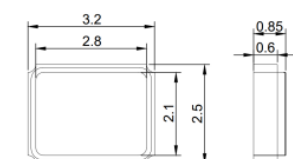
### Specifications:

**Electrical / Optical Characteristics (Ta=25°C $\pm$ 3°C)**

Part Number : LT-SR-315-3225					
Item		Unites	Min.	Typ.	Max.
Center Frequency		MHz	314.925	315.000	315.075
Insertion Loss		dB		1.0	2.0
Quality Factor Unload Q				12588	
50 $\Omega$ Loaded Q				1369	
Temperature Stability	Turnover Temperature	°C	5	20	35
	Freq.temp.Coefficient	ppm/°C <sup>2</sup>		0.037	
Frequency Aging		ppm/yr		$\leq \pm 10$	
DC. Insulation Resistance		M $\Omega$	1.0		
RF Equivalent RLC Model	Motional Resistance R1	$\Omega$		12.2	
	Motional Inductance L1	$\mu H$		77.6	
	Motional Capacitance C1	fF		3.29	
Transducer Static Capacitance		pF	2.3	2.5	2.8

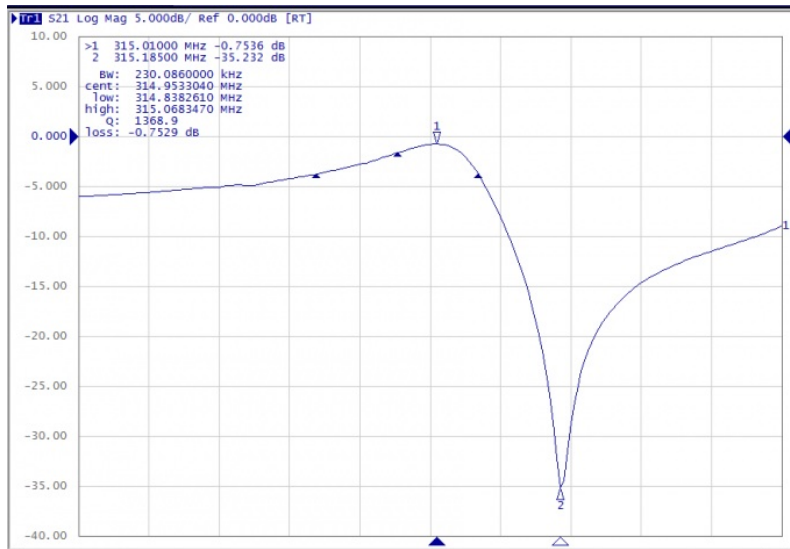
**Note: for custom specs, please contact us directly.**


### Outline Drawing (Unit: mm):



Pin	Connection
1	Input / Output
3	Output / Input
2/4	Case Ground

### Typical Frequency Response



 **ZRHTECH** Sichuan ZR Hi-Tech Ltd.



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