




**SPECIFICATION SHEET**

<b>SPECIFICATION SHEET NO.</b>	N0416-CB922K0000L100
<b>DATE</b>	April 16, 2021
<b>REVISION</b>	A0
<b>DESCRIPTION</b>	<p>Thru-Hole Ceramic Resonator, L5.2*W2.5*H6.3mm, 2 Pins</p> <p>922KHz, CRB Series</p> <p>Frequency Accuracy <math>\pm 0.5\%</math>, Operating Temp. Range <math>-20^{\circ}\text{C} \sim +80^{\circ}\text{C}</math></p> <p>RoHS/RoHS III compliant</p> <p>Packed in Bulk</p>
<b>CUSTOMER</b>	
<b>CUSTOMER PART NUMBER</b>	
<b>CROSS REF. PART NUMBER</b>	
<b>ORIGINAL PART NUMBER</b>	TGS CRB 922.0KJ BLF
<b>PART CODE</b>	CB922K0000L100

<b>VENDOR APPROVE</b>			
Issued/Checked/Approved			
DATE: April 16, 2021			

<b>CUSTOMER APPROVE</b>	
DATE:	

## KHZ THRU-HOLE CERAMIC RESONATOR CRB SERIES

### MAIN FEATURE

- MHz Thru-Hole Ceramic Resonator 2 pins
- Cross more competitors part
- RoHS/RoHS III compliant



### APPLICATION

- Measurement Instrument
- Communication Electronics

### PART CODE GUIDE

**RFQ**

[Request For Quotation](#)

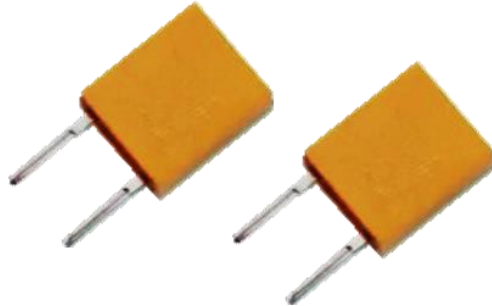
CB	922K0000	L	100
1	2	3	4

- 1) CB: Part family Code for MHz Thru-Hole Ceramic Resonator, L5.2\*W2.5\*H6.3mm, 2 Pins, CRB series
- 2) 922K0000: Frequency range code for 922.00KHz
- 3) L: Packed in Bulk
- 4) 100 Specification code for original Part No. **TGS CRB922CKJ BLF**

**KHZ THRU-HOLE CERAMIC RESONATOR CRB SERIES**

**DIMENSION (Unit: mm)**

Image for reference

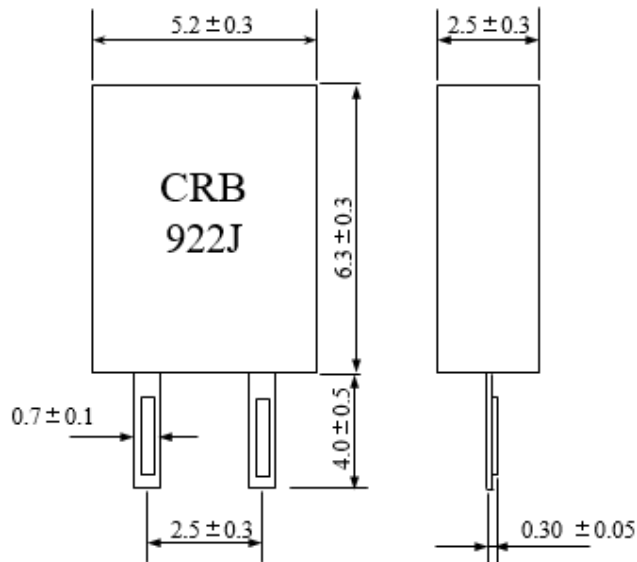


**Marking**

Line 1: Series code

Line 2: Frequency range + Special code

CRB



**KHZ THRU-HOLE CERAMIC RESONATOR CRB SERIES**
**ELECTRICAL PARAMETERS**

Parameter	Part No. Symbol	Units	Value			Condition	
			Min.	Typical	Max.		
Original Manufacturer	TGS	TGS Crystals					
Holder Type	CRB	KHz Thru-Hole Ceramic Resonator , L5.2*W2.5*H6.3mm, 2 Pins					
Frequency Range	922K	KHz	922.00				
Withstanding Voltage	J	V			100	@DC, 1 min	
Insulation Resistance		MΩ	500			@100V, 1 min.	
Operation Temperature		°C	-20			+80	
Storage Temperature		°C	-40			+85	
Rating Voltage		V	6.0			DC	
			15			p-p	
Frequency Accuracy		%	±0.5				
Resonant Impedance		Ω			20		
Temperature Coefficient of Oscillation Frequency	%			±0.3	Oscillation Frequency drift, -40°C ~ +85°C)		
Oscillation Frequency Aging Rate (10 years)	%			±0.5	From initial value		
IC Application		1/6TC4069UBP					
Capacitance		pF	100				
Other	Package	B	Packed in BULK				
	RoHS Status	LF	RoHS III compliant				
	Add Value		N/A				
	Internal Control Code		N/A				

 Note: Original Part Number: **TGS CRB 922KJBLF**

## KHZ THRU-HOLE CERAMIC RESONATOR CRB SERIES

### ENVIRONMENTAL SPECIFICATION

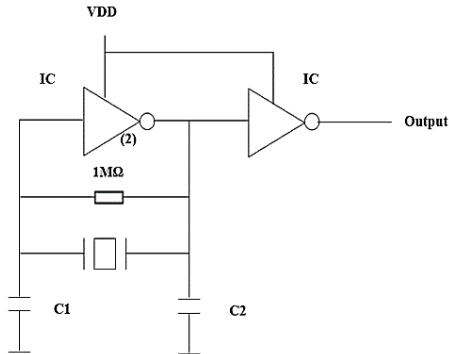
- 1) Lead Pull: 1KG load Terminal Direction Min.
- 2) Vibration: 600-3300rpm.1.5mm.x.y& z axes.1H Each Min.
- 3) Shock: Random Drop,30cm High Concrete Floor
- 4) Solderability: Dipping Terminals Into Molten Solder at  $230\pm 5^{\circ}\text{C}$  At  $5\pm 0.5$  Sec.
- 5) Resistance to Soldering Heat Dipping Lead Terminals No Close Than 2mm From the Sn  $350\pm 10^{\circ}\text{C}$  3 Sec.  
After 1H to Test
- 6) Heat Resistance: Keep In  $40\pm 2^{\circ}\text{C}$  Temp 90% Humidity For 100H After 1H To Test

### CAUTION

- 1) Don't apply excess mechanical stress to the component and terminals at soldering. Do not use this product with bend.
- 2) Do not clean or wash the component for it is not hermetically sealed.
- 3) Do not use strong acidity flux, more than 0.2wt% chlorine content, in flow soldering.
- 4) Don't be close to fire.
- 5) This specification mentions the quality of the component as a single unit. Please insure the component is thoroughly evaluated in your application circuit
- 6) Expire date (Shelf life) of the products is 12 months after delivery under the conditions of a sealed and an unopened. package. Please use the products within 12 months after delivery. If you store the products for a long time (more than 12 months), use carefully because the products may be degraded in the solderability or rusty.  
Please confirm solderability and characteristics for the products regularly.
- 7) Please contact us before using the product as automobile electronic component.

**KHZ THRU-HOLE CERAMIC RESONATOR CRB SERIES**

**TEST CIRCUIT (For Reference Only)**



C1=C2=100PF

IC= 1/6CD4069UBE

VDD=+5V

**Note:**

Parts shall be tested under the condition  
(Temp.: 20±15°C, Humidity 65±20% R.H.)  
unless the standard condition (Temp.: 25±3 °C,  
Humidity :65±10% R.H.) is regulated to  
measure.