

Ceramic Filter

DIP type, LZU series of Ceramic Filter For Search-stop Signal Detection



LZU Series

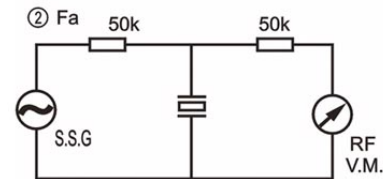
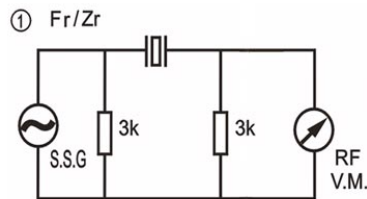
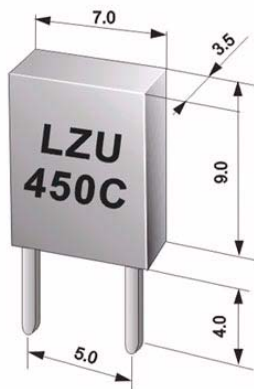
& Feature:

LZU series of Ceramic Filter For Search-stop Signal Detection

& Electrical Specifications

Part Number	Resonant Frequency (kHz)	Resonant Resistance (Ω)(max)	Band Width(fa-fr) (kHz)	Application
LZU450C	450 \pm 1	20	14 \pm 2	IF signal detection
LZU450C4N	450 \pm 0.8	30	9 \pm 2	

& Dimension:



& Physical and Environmental Characteristics:

No	Item	Condition of Test	Performance Requirements
6-1	Lead Strength Lead Pulling Lead Bending	Force of 0.5kg is applied to each lead in axial direction. When force of 0.25kg to each lead in axial direction, the lead shall be folded up to 90 degree from the axial direction and folded back to the axial direction.	No mechanical damage and the measured values shall meet Item 5.
6-2	Solderability	The terminals of the filter shall be immersed in a soldering bath (230 \pm 5 $^{\circ}$ C) for 5 \pm 0.5 sec.	The solder shall coat at least 90% of the surface of terminal.
6-3	Vibration	Filter shall be measured after being applied vibration as below Vibration Freq.: 600 to 3, 300r.p.m	The measured value shall meet Table 2.

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		Amplitude:1.5mm Directions:3 axial directions Time:1 hour/each direction	
6-4	Random Drop	Filter shall be measured after 3 times random dropping from the height of 70cm to the wood plate.	
6-5	Resistance to Soldering Heat	After immersing the terminals up to 2mm to filter' body in soldering bath(350 5°C) for 3 0.5sec.,filter shall be measured after being placed in natural condition for 1 hour.	
6-6	Temperature Characteristics	Filter shall be measured within -20°C to 80°C temperature range.Temperature coefficient(Center Frequency of 3dB Bandwidth) Variation of Insertion Loss	Ref. to value of:+20°C: 100ppm/°C max. : 2dB
6-7	Humidity	After being placed in a chamber(Humi.:90-95%RH,Temp.:40 2°C)for 1000 hours,filter shall be measured after placed in natural condition for 1 hour.	The measured value shall meet Table 1.
6-8	Life Test(high temperature)	After being placed in a chamber(Temp.:80°C) for 1000 hours,filter shall be measured after being placed in natural condition for 1 hour.	
6-9	Life Test(low temperature)	After being placed in a chamber(Temp.: -20°C) for 1000 hours,filter shall be measured after being placed in natural condition for 1 hour.	
6-10	Thermal Shock	After temperature cycling of -55°C(30 minutes)to 85°C(30 minutes) was performed 5 times,filter shall be measured after placed in natural condition for 1 hour.	

Website : www.selectech.com.sg , www.selectech.cn Email : sales@selectech.com.sg , sales@selectech.cn