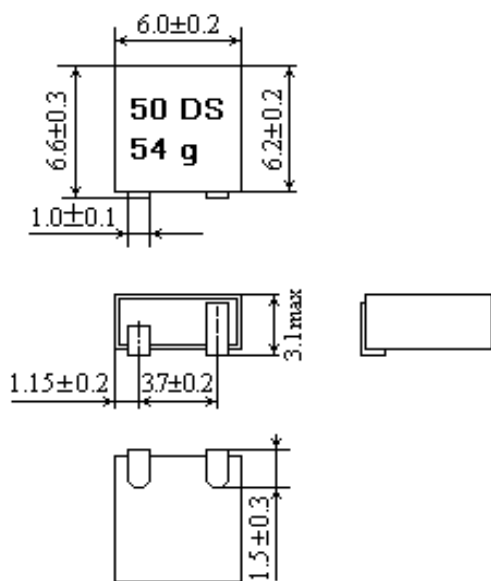


1. APPLICATION

This specification is applied to ceramic discriminator : CDBC450C54
 used for quadrature detection with IC : TA31142F (TOSHIBA)

2. SPECIFICATION No.: QJ/A5•25•0512
MODEL NAME

Part Name	Customer's Part No.	Customer's Draving No.
CDBC450C54		

3. DIMENSIONS : (mm)

Material List

Case	Polybutenetelephthalate (mixture of glass fiber)
Terminal	Phosphor bronze Ag Clad
Base Sealing	Epoxy resin

4. MAXIMUM RATINGS

- 4.1 Withstanding Voltage : D.C. 50V. 1 minute
 (Between each terminal)
- 4.2 Insulation Resistance : 100 M Ω min. at D.C. 100V
 (Between each terminal)
- 4.3 Input signal level : 5dB (50 Ω Termination)
- 4.4 Operating Temperature Range : - 20 $^{\circ}$ C to + 80 $^{\circ}$ C
- 4.5 Storage Temperature Range : -40 $^{\circ}$ C to +85 $^{\circ}$ C

		amplitude of 1.5mm with 600 to 3,300 r.p.m. band of vibration frequency to each of 3 perpendicular directions for 2 hour .	The measured values shall meet Table 1.
6-3	Random Drop	Filter shall be measured after 3 times random dropping from the height of 30cm on concrete floor	
6-4	Temperature Characteristics	Filter shall be measured within -20 °C to +80 °C temperature range.	
6-5	Humidity	Filter shall be measured after being placed in a chamber with 90 to 95% R. H. at 40±2°C for 100 hours and then being placed in natural condition for 2 hour.	
6-6	Resistance to Soldering Heat	Lead terminals are immersed up to 1.5mm from filter's body in soldering bath of 260±5°C for 5±0.5 seconds and then filter shall be measured after being placed in natural condition for 2 hour.	
6-7	Life Test (High Temperature)	Filter shall be measured after being placed in chamber with 80°C for 100 hours and then being placed in natural condition for 2 hour.	
6-8	Life Test (Low Temperature)	Filter shall be measured after being placed in a chamber with -20°C for 100 hours and then being placed in natural condition for 2 hours.	
6-9	Thermal Shock	After temperature cycling of -20°C (30 minutes) to +80°C (30 minutes) was performed 5 times. Filter shall be returned to room temperature. And filter shall be measured after being placed in natural condition for 2 hours.	

Item	Requirements
Receiver Audio 3dB Bandwidth (from 450KHz)	± 4.0 KHz min.
Receiver Audio Output Voltage (at 450KHz)	40 ± 20 mV
Distortion (at 450KHz)	4.0 % max.
Withstanding Voltage	50V D. C. for 1 minute.

Table 1.