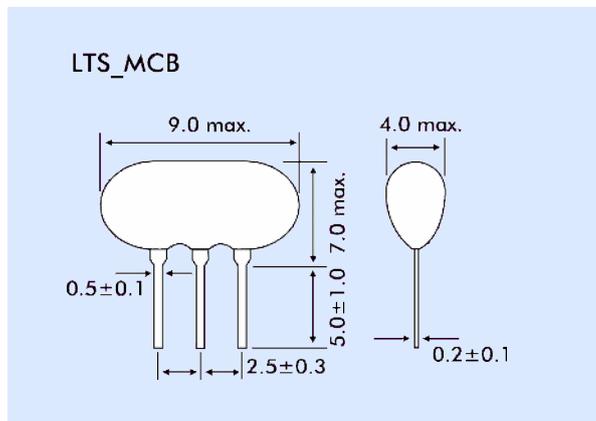
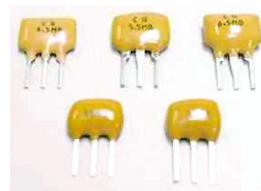


- Ceramic discriminators for AM applications:
- SMD type for reflow soldering (JTBC)
- Leaded type (JTBM)



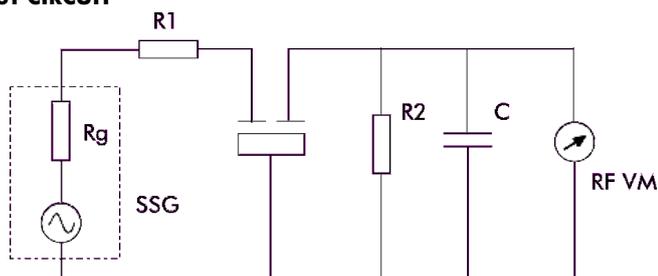
### PHYSICAL CHARACTERISTICS

- Random Drop Test:** Filter performance shall be tested after 3 x random drop from 1.0 metre onto concrete floor. No visible damage should be observed and the measured values shall be within specification.
- Vibration:** Filter shall be measured after being applied with vibration, amplitude 1.5mm, frequency 10Hz to 55Hz for 2 hours in each of the 3 perpendicular planes. The measured electrical values shall be within specification.
- Resistance to Solder Heat:** Lead terminals are immersed up to 2.0mm from the filter body in a solder bath (350° ± 10°C for 5 ± 0.5 seconds). The filter should be measured after being in room temperature for 1 hour.
- Solderability:** Lead terminals are immersed in resin for 5 seconds then immersed in a soldering bath at 250°C ± 5°C for 3 seconds ± 0.5 seconds. A minimum of 95% of lead terminal surface shall be covered with solder.

### ELECTRICAL SPECIFICATION

Nominal Frequency:	4.5, 5.5, 6.0 or 6.50MHz
3dB Bandwidth:	±70kHz min.
Insertion Loss:	6.0dB max.
20dB Bandwidth:	350kHz max.
Spurious Loss 0~6.5MHz:	30dB min.
Rated Voltage:	DC 50V (1 minute)
Insulation Resistance:	100MΩ min.
Temperature Characteristics (-25° to +85°C):	±100ppm/°C max.
Storage Temperature:	-40°C to +85°C
Input/Output Impedance:	470Ω

### TEST CIRCUIT



Fo	R2
4.5MHz	1kΩ
5.5MHz	600Ω
6.0MHz	470Ω
6.5MHz	470Ω

### PART NUMBERS

Frequency	Part Number
4.5MHz	LTS4.5MCB
5.0MHz	LTS5.5MCB
6.0MHz	LTS6.0MCB
6.5MHz	LTS6.5MCB

### ENVIRONMENTAL SPECIFICATION

- High Temperature:** After being placed in a chamber at +85° ± 2°C for 96 hours and left for one hour at room temperature the measured values are to be within specification.
- Low Temperature:** After being placed in a chamber at -25° ± 2°C for 96 hours and left for one hour at room temperature the measured values are to be within specification.
- Humidity:** After being placed in a chamber with a humidity of 90~95% RH and a temperature of +40° for 96 hours and left for one hour at room temperature the measured values are to be within specification.
- Heat Shock:** After being kept at room temperature the filter shall be placed at a temperature of -25°C. After 30 minutes at the temperature the filter is immediately placed at a temperature of +85°C. After 30 minutes the filter is again placed at a temperature of -25°C. This is one cycle. The filter is subjected to 5 cycles. After one hour at room temperature the measured values are to be within specification.