

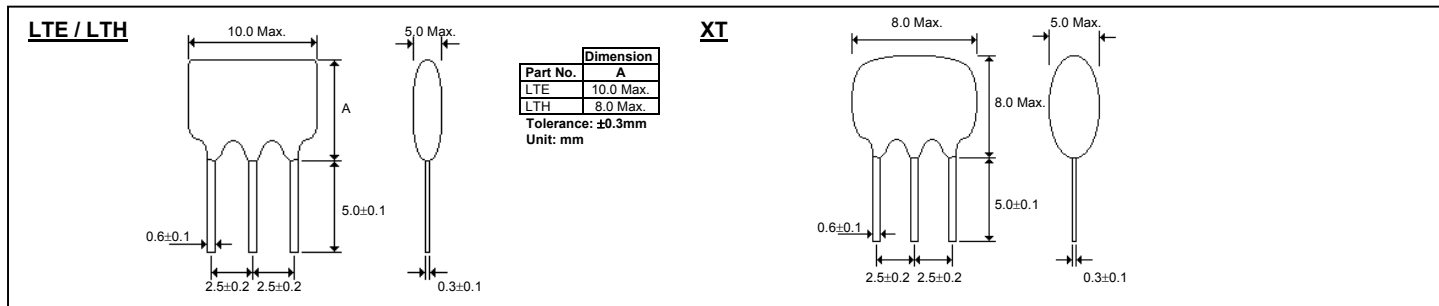


## Ceramic Filter and Trap (TV Applications)

**RoHS Compliant**  
Directive 2002/95/EC

**REACH Compliant**  
(15 SVHCs)  
Regulation (EC)  
No. 1907/2006

### • Dimension



### • Electrical Specifications of LTE / LTH

Part Number	Unit	LTE4.5MB	LTE5.5MB	LTE6.0MB	LTE6.5MB	LTH4.5MCB	LTH4.5MDB	LTH5.5MCB	LTH6.0MCB	LTH6.5MCB
Nominal Center Frequency ( $f_0$ )	MHz	4.500	5.500	6.000	6.500	4.500	4.500	5.500	6.000	6.500
3dB Bandwidth (from $f_0$ )	KHz	±60 (±105)	±75 (±120)	±80 (±130)	±80 (±130)	±60 Min.	±70 Min.	±60 Min.	±60 Min.	±70 Min.
20dB Bandwidth	KHz	530 (420)	550 (470)	600 (500)	630 (530)	600 Max.	750 Max.	600 Max.	600 max	650 Max.
Insertion Loss (at Min. Loss Point)	dB	6 (4)	6 (3)	6 (2.5)	6 (2.5)	6.0 Max.	6.0 Max.	6.0 Max.	6.0 Max.	6.0 Max.
Spurious Response	dB	20 Min. [4.5 <sup>+0.8</sup> <sub>-1.0</sub> MHz]	25 Min. [5.5±1.0MHz]	25 Min. [6.0±1.0MHz]	25 Min. [6.0±1.0MHz]	0 ~ 4.5MHz <b>30 Min.</b>	0 ~ 4.5MHz <b>30 Min.</b>	0 ~ 5.5MHz <b>30 Min.</b>	0 ~ 6.0MHz <b>30 Min.</b>	0 ~ 6.5MHz <b>30 Min.</b>
					30 Min. [6.0-1.0MHz]	4.5 ~ 7.0MHz <b>15 Min.</b>	4.5 ~ 5.7MHz <b>15 Min.</b>	5.5 ~ 7.0MHz <b>15 Min.</b>	6.0 ~ 7.5MHz <b>15 Min.</b>	6.5 ~ 8.5MHz <b>15 Min.</b>
						7.0 ~ 10.0MHz <b>30 Min.</b>	5.7 ~ 10.0MHz <b>30 Min.</b>	7.0 ~ 10.0MHz <b>30 Min.</b>	7.5 ~ 10.0MHz <b>30 Min.</b>	8.5 ~ 10.0MHz <b>30 Min.</b>
Withstanding Voltage	V	DC 50V [1 Minute]								
Insulation Resistance	MΩ	100MΩ Min. [DC 100V]								
Operating Temperature	°C	-20°C ~ +80°C								
Input / Output Impedance	Ω	1000	600	470	470	1000	1000	600	470	470

- Other frequencies and specifications are also available upon request, please consult with our sales representatives.

### • Electrical Specifications of XT

Part Number	Trap Attenuation at Nominal Center Frequency (dB Min.)	30dB Bandwidth (KHz Min.)
XT4.5MB	35 (45)	50 (80)
XT5.5MB		
XT6.0MB		70 (120)
XT6.5MB		
XT4.5MCB	30	40
XT5.5MCB		
XT6.0MCB		
XT6.5MCB		

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