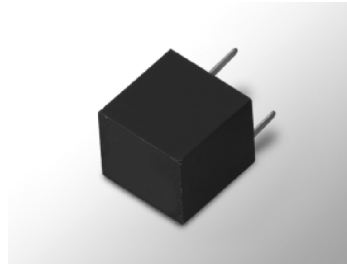


# Filter THT, Ceramic



Features:

- For communication
- 4 elements
- 450/455 KHz



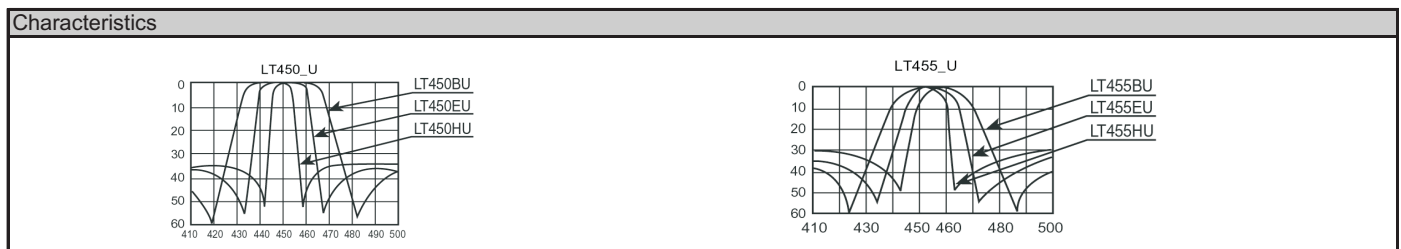
## LT 450/455 U series

Specifications										
LT450										
Part number	LT450AU	LT450BU	LT450CU	LT450DU	LT450EU	LT450FU	LT450GU	LT450HU	LT450IU	LT450HTU
Center frequency (kHz)	450±2.0	450±2.0	450±2.0	450±1.5	450±1.5	450±1.5	450±1.5	450±1.0	450±1.0	450±1.0
Insertion loss (dB) max	4	4	4	4	6	6	6	6	6	6
Pass band ripple (dB) max	2	2	2	2	2	2	2	2	2	2
6dB bandwidth (kHz) min	±17.5	±15	±12.5	±10	±7.5	±6	±4.5	±3	±2	±3
40dB bandwidth (kHz) max	±40	±30	±24	±20	±15	±12.5	±10	±9	±7.5	±9
Spurious Attenuation LT450/U f <sub>0</sub> ±100kHz (dB) min	28	28	28	28	28	28	28	28	28	35
Input/output impedance (Ohm)	1000	1500	1500	1500	1500	2000	2000	2000	2000	2000

Specifications										
LT455										
Part number	LT455AU	LT455BU	LT455CU	LT455DU	LT455EU	LT455FU	LT455GU	LT455HU	LT455IU	LT455HTU
Center frequency (kHz)	455±2.0	455±2.0	455±2.0	455±1.5	455±1.5	455±1.5	455±1.5	455±1.0	455±1.0	455±1.0
Insertion loss (dB) max	4	4	4	4	6	6	6	6	6	6
Pass band ripple (dB) max	2	2	2	2	2	2	2	2	2	2
6dB bandwidth (kHz) min	±17.5	±15	±12.5	±10	±7.5	±6	±4.5	±3	±2	±3
40dB bandwidth (kHz) max	±40	±30	±24	±20	±15	±12.5	±10	±9	±7.5	±9
Spurious Attenuation LT455/U f <sub>0</sub> ±100kHz (dB) min	28	28	28	28	28	28	28	28	28	35
Input/output impedance (Ohm)	1000	1500	1500	1500	1500	2000	2000	2000	2000	2000

Drawing	Test circuit
<p>LT 450/455 U</p> <p>1. Input 2. Ground 3. Output</p>	<p>R<sub>g</sub>+R<sub>1</sub>=R<sub>2</sub>= Input/Output Impedance</p>

Dimensions in mm



Order key				
F	- LT 450	- AU	-	-
Part	Package	Individual specification	Option	
F= Ceramic filter	LT 450	AU	FU	blank = standard
	LT 455	BU	GU	
		CU	HU	
		DU	IU	
		EU	HTU	X=Special options