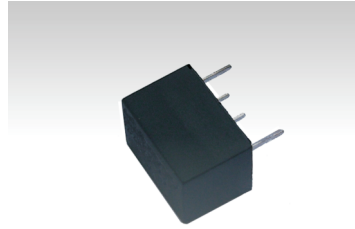


# Filter THT, Ceramic



## LT 450/455 W series

Features:

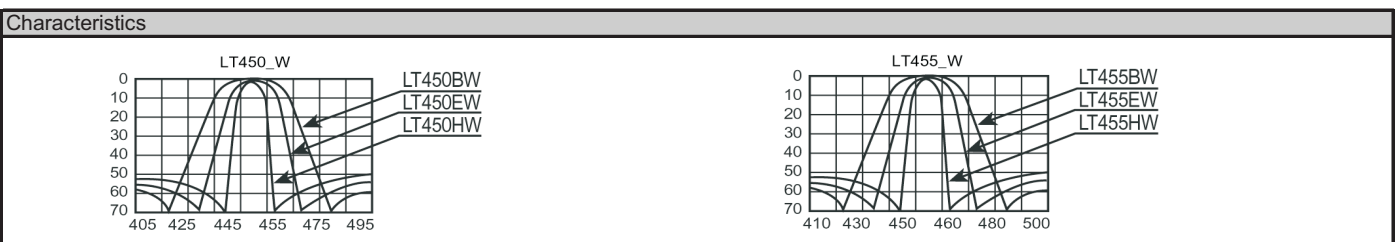
- For communication
- 6 elements
- 450/455 KHz

Specifications										
LT 450										
Part number	LT450AW	LT450BW	LT450CW	LT450DW	LT450EW	LT450FW	LT450GW	LT450HW	LT450IW	LT450HTW
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/W f <sub>o</sub> ±100kHz (dB) min	40	40	40	40	40	40	40	40	40	60
Input/output impedance (Ohm)	1000	1500	1500	1500	1500	2000	2000	2000	2000	2000

Specifications										
LT 455										
Part number	LT455AW	LT455BW	LT455CW	LT455DW	LT455EW	LT455FW	LT455GW	LT455HW	LT455IW	LT455HTW
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/W f <sub>o</sub> ±100kHz (dB) min	40	40	40	40	40	40	40	40	40	60
Input/output impedance (Ohm)	1000	1500	1500	1500	1500	2000	2000	2000	2000	2000

Drawing	Test circuit
<p><b>LT 450/455 W</b></p> <p>1 Input 2,3,4 Ground 5 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	- AW	-	-
Part	Package	Individual specification	Option	
F= Ceramic filter	LT 450 LT 455	AW BW CW DW EW	FW GW HW IW HTW	blank = standard X=Special options