LT455_U

LT450 U

LT U Series

LT455_U & LT450_U Series Ceramic Filter

LT455_U and LT450_U series ceramic filters are widely used in telecommunication, cable, radar, TV set, tape recorder, video camera and other electronic products due to its lower price and stable performances.

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Frequency Range(fc):					
LT455_U Series:	455KHz				
LT450_U Series:	450KHz				
Operating Temperature:	-20°C ~ +80°C	Standard			
Storage Temperature:	-40°C ~ +85°C	-40°C ~ +85°C			
6dB Bandwidth and Attenua	tion Bandwidth:				
	B: ± 15KHz	\pm 30KHz			
	C: ± 12.5KHz	\pm 24KHz			
	D: ± 10KHz	$\pm 20 \text{KHz}$			
	E: ± 7.5KHz	\pm 15KHz			
	F: \pm 6KHz	\pm 12.5KHz			
	G: ± 4.5KHz	\pm 10 KHz			
	H: ± 3KHz	\pm 9KHz			
	I: ± 2KHz	\pm 7.5KHz			
Attenuation Specified:	40dB min	40dB min			
Stop Band Attenuation:	27dB min (B,C,I	27dB min (B,C,D,E,F)			
at fc \pm 100KHz	25dB min (G,H,I)	25dB min (G,H,I)			
Insertion Loss:	4.0dB max (B,C	4.0dB max (B,C,D)			
	6.0dB max (E,F,G,H,I)				
Input/Output Impedance:	1.5KΩ (B,C,D,E)				
	2.0KΩ (F,G,H,I)	2.0KΩ (F,G,H,I)			

Specifications:

Ceramic Filter

Frequency Range(fc):				
LT455_U Series:	455KHz			
LT450_U Series:	450KHz			
Operating Temperature:	-20	-20°C ~ +80°C Standard		
Storage Temperature:	-40°C ~ +85°C			
6dB Bandwidth and Attenuation Bandwidth:				
	B:	\pm 15KHz	\pm 30KHz	
	C:	± 12.5KHz	\pm 24KHz	
	D:	\pm 10KHz	\pm 20KHz	
	E:	\pm 7.5KHz	\pm 15KHz	
	F:	$\pm6 \text{KHz}$	\pm 12.5KHz	
	G:	\pm 4.5KHz	\pm 10 KHz	
	H:	$\pm 3 \text{KHz}$	\pm 9KHz	
	I:	$\pm 2 \text{KHz}$	\pm 7.5KHz	
Attenuation Specified:	400	40dB min		
Stop Band Attenuation:	27	27dB min (B,C,D,E,F)		
at fc \pm 100KHz	250	25dB min (G,H,I)		
Insertion Loss:	4.0dB max (B,C,D)			
	6.0dB max (E,F,G,H,I)			
Input/Output Impedance:	1.5	1.5KΩ (B,C,D,E)		
	2.0KΩ (F,G,H,I)			

Note:

1. Other frequencies, bandwidth ranges available. Consult VTC Support for specific requirements.

2. Not all combinations of the above bandwidth ranges are available. Consult VTC Support if your requirement is not standard.

3. All specifications subject to change without notice.

Ordering Information

Product name + Frequency + Bandwidth Code.

i.e. LT455BU

7.0 8.0 0.8 4.0 0.6

4.3 0.8

8.0

0.2

All dimensions are in mm

Web: http://www.vanlong.com Vanlong Technology Co., Ltd.