



SHOULDER ELECTRONICS LIMITED

SAW FILTER FOR DECT (First IF Filter)

Part Number	HDF110T	SAMPLE DIMENSIONS TEST CIRCUIT
Nominal Center Frequency (fo)(MHz)	110.592	
3dB Band Width (from fo)(KHz)	965min	
30dB Band Width (from fo)(KHz)	2600min	
40dB Band Width (from fo)(KHz)	2840min	
Stop Band Attenuation (from peak level)(dB)		
1)fo-1.355MHz--fo-10MHz	40min	
2)fo-1.355	30min	
4)fo + 1.375MHz	3min	
3)fo ;À 475MHz	30min	
5)fo + 1.5MHz--10MHz	40min	
Insertion Loss (at minimum loss point)(dB)	14max	
Group Delay Deviation (fo;À800KHz)(µ sec.)	300max	
Input/Output Impedance	800 _i ,// -5.6pF	

ii

Part Number	HDF110N	SAMPLE DIMENSIONS TEST CIRCUIT
Nominal Center Frequency (fo)(MHz)	110.592	
3dB Band Width (from fo)(KHz)	965min	
Stop Band Attenuation (from peak level)(dB)	50min	
1)fo-3X1.728MHz	45min	
2)fo-2X1.728MHz	10min	
3)fo;À1.150MHz	30min	
4)fo ;À 1.728MHz	40min	
5)fo +2X1.728MHz	40min	
6)fo +3X1.728MHz		
Insertion Loss (at minimum loss point)(dB)	4.5max	
Group Delay Deviation (fo;À800KHz)(µ sec.)	0.7	
Input/Output Impedance	300 _i ,//1.2µH	



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