

# Highpass Filter case selection guide

Cut-Off Freq.	Connect Via	Series Number					
		H*3	H*5	H*7	H*9	H*11	HC13
1kHz to 9.99kHz	PCB Pins	13 <i>2.0" x 2.0" x 0.75"</i>	13 <i>2.0" x 2.0" x 0.75"</i>	13 <i>2.0" x 2.0" x 0.75"</i>	16 <i>3.0" x 2.0" x 0.75"</i>	20 <i>5.0" x 1.42" x 0.75"</i>	20 <i>5.0" x 1.42" x 0.75"</i>
	SMA Female	69A <i>3.0" x 1.0" x 0.75"</i>	720A <i>5.0" x 1.42" x 0.75"</i>	720A <i>5.0" x 1.42" x 0.75"</i>	720A <i>5.0" x 1.42" x 0.75"</i>	5249A <i>5.7" x 2.0" x 0.85"</i>	5249A <i>5.7" x 2.0" x 0.85"</i>
	BNC Female	69B <i>2.0" x 2.0" x 0.75"</i>	720B <i>5.0" x 1.42" x 0.75"</i>	720B <i>5.0" x 1.42" x 0.75"</i>	720B <i>5.0" x 1.42" x 0.75"</i>	5249B <i>5.7" x 2.0" x 0.85"</i>	5249B <i>5.7" x 2.0" x 0.85"</i>
10kHz to 49.99kHz	PCB Pins	1245 <i>2.4" x 1.0" x 0.50"</i>	1245 <i>2.4" x 1.0" x 0.50"</i>	1335 <i>3.3" x 1.0" x 0.50"</i>	1335 <i>3.3" x 1.0" x 0.50"</i>	1405 <i>4.0" x 1.0" x 0.75"</i>	20 <i>5.0" x 1.42" x 0.75"</i>
	SMA Female	69A <i>3.0" x 1.0" x 0.75"</i>	69A <i>3.0" x 1.0" x 0.75"</i>	69A <i>3.0" x 1.0" x 0.75"</i>	69A <i>3.0" x 1.0" x 0.75"</i>	720A <i>5.0" x 1.42" x 0.75"</i>	720A <i>5.0" x 1.42" x 0.75"</i>
	BNC Female	69B <i>3.0" x 1.0" x 0.75"</i>	69B <i>3.0" x 1.0" x 0.75"</i>	69B <i>3.0" x 1.0" x 0.75"</i>	69B <i>3.0" x 1.0" x 0.75"</i>	720B <i>5.0" x 1.42" x 0.75"</i>	720B <i>5.0" x 1.42" x 0.75"</i>
50kHz to 299kHz	PCB Pins	1245 <i>2.4" x 1.0" x 0.50"</i>	1245 <i>2.4" x 1.0" x 0.50"</i>	1335 <i>3.3" x 1.0" x 0.50"</i>	1335 <i>3.3" x 1.0" x 0.50"</i>	20 <i>5.0" x 1.42" x 0.75"</i>	20 <i>5.0" x 1.42" x 0.75"</i>
	SMA Female	65A <i>2.0" x 1.0" x 0.5"</i>	65A <i>2.0" x 1.0" x 0.75"</i>	69A <i>3.0" x 1.0" x 0.75"</i>	69A <i>3.0" x 1.0" x 0.75"</i>	720A <i>5.0" x 1.42" x 0.75"</i>	720A <i>5.0" x 1.42" x 0.75"</i>
	BNC Female	65B <i>2.0" x 1.0" x 0.75"</i>	65B <i>2.0" x 1.0" x 0.75"</i>	69B <i>3.0" x 1.0" x 0.75"</i>	69B <i>3.0" x 1.0" x 0.75"</i>	720B <i>5.0" x 1.42" x 0.75"</i>	720B <i>5.0" x 1.42" x 0.75"</i>
300kHz to 999kHz	PCB Pins	1245 <i>2.4" x 1.0" x 0.50"</i>	1245 <i>2.4" x 1.0" x 0.50"</i>	1245 <i>2.4" x 1.0" x 0.50"</i>	1335 <i>3.3" x 1.0" x 0.50"</i>	1335 <i>3.3" x 1.0" x 0.50"</i>	1335 <i>3.3" x 1.0" x 0.50"</i>
	SMA Female	65A <i>2.0" x 1.0" x 0.5"</i>	65A <i>2.0" x 1.0" x 0.5"</i>	69A <i>3.0" x 1.0" x 0.75"</i>	69A <i>3.0" x 1.0" x 0.75"</i>	69A <i>3.0" x 1.0" x 0.75"</i>	720A <i>5.0" x 1.42" x 0.75"</i>
	BNC Female	65B <i>2.0" x 1.0" x 0.75"</i>	65B <i>2.0" x 1.0" x 0.75"</i>	69B <i>3.0" x 1.0" x 0.75"</i>	69B <i>3.0" x 1.0" x 0.75"</i>	69B <i>3.0" x 1.0" x 0.75"</i>	720B <i>5.0" x 1.42" x 0.75"</i>
1MHz to 9.9MHz	PCB Pins	1064 <i>1.0" x 0.6" x 0.40"</i>	1064 <i>1.0" x 0.6" x 0.40"</i>	1664 <i>1.6" x 0.6" x 0.40"</i>	2064 <i>2.0" x 0.6" x 0.40"</i>	2464 <i>2.4" x 0.6" x 0.40"</i>	2864 <i>2.8" x 0.6" x 0.40"</i>
	SMA Female	1255A <i>1.2" x 0.5" x 0.5"</i>	65A <i>3.0" x 1.0" x 0.5"</i>	65A <i>3.0" x 1.0" x 0.5"</i>	69A <i>3.0" x 1.0" x 0.75"</i>	69A <i>3.0" x 1.0" x 0.75"</i>	69A <i>3.0" x 1.0" x 0.75"</i>
	BNC Female	65B <i>2.0" x 1.0" x 0.75"</i>	65B <i>2.0" x 1.0" x 0.75"</i>	69B <i>3.0" x 1.0" x 0.75"</i>	69B <i>3.0" x 1.0" x 0.75"</i>	69B <i>3.0" x 1.0" x 0.75"</i>	69B <i>3.0" x 1.0" x 0.75"</i>
10MHz to 19.9MHz	PCB Pins	1064 <i>1.0" x 0.6" x 0.40"</i>	1064 <i>1.0" x 0.6" x 0.40"</i>	1664 <i>1.6" x 0.6" x 0.40"</i>	2064 <i>2.0" x 0.6" x 0.40"</i>	2464 <i>2.4" x 0.6" x 0.40"</i>	2864 <i>2.8" x 0.6" x 0.40"</i>
	SMT	SM0964 <i>0.9" x 0.60" x 0.38"</i>	SM1264 <i>1.2" x 0.60" x 0.38"</i>	SM1664 <i>1.6" x 0.60" x 0.38"</i>	SM2264 <i>2.2" x 0.60" x 0.38"</i>	SM2664 <i>2.6" x 0.60" x 0.38"</i>	SM3064 <i>3.0" x 0.60" x 0.38"</i>
	SMA	1255A <i>1.2" x 0.5" x 0.5"</i>	65A <i>2.0" x 1.0" x 0.5"</i>	65A <i>2.0" x 1.0" x 0.5"</i>	65A <i>2.0" x 1.0" x 0.5"</i>	69A <i>3.0" x 1.0" x 0.75"</i>	69A <i>3.0" x 1.0" x 0.75"</i>
	BNC Female	65B <i>2.0" x 1.0" x 0.75"</i>	65B <i>2.0" x 1.0" x 0.75"</i>	65B <i>2.0" x 1.0" x 0.75"</i>	69B <i>3.0" x 1.0" x 0.75"</i>	69B <i>3.0" x 1.0" x 0.75"</i>	69B <i>3.0" x 1.0" x 0.75"</i>
20MHz to 99.9MHz	PCB Pins	744 <i>0.7" x 0.38 x 0.4"</i>	1144 <i>1.1" x 0.38 x 0.4"</i>	1444 <i>1.4" x 0.38 x 0.4"</i>	1444 <i>1.4" x 0.38 x 0.4"</i>	1644 <i>1.6" x 0.38 x 0.4"</i>	1644 <i>1.6" x 0.38 x 0.4"</i>
	SMT	SM1144 <i>1.1" x 0.38" x 0.38"</i>	SM1144 <i>1.1" x 0.38" x 0.38"</i>	SM1744 <i>1.7" x 0.38" x 0.38"</i>	SM1744 <i>1.7" x 0.38" x 0.38"</i>	SM1744 <i>1.7" x 0.38" x 0.38"</i>	SM1744 <i>1.7" x 0.38" x 0.38"</i>
	SMA Female	1054A <i>1.0" x 0.5" x 0.4"</i>	1254A <i>1.2" x 0.5" x 0.4"</i>	1554A <i>1.5" x 0.5" x 0.4"</i>	1554A <i>1.5" x 0.5" x 0.4"</i>	1754A <i>1.7" x 0.5" x 0.4"</i>	1754A <i>1.7" x 0.5" x 0.4"</i>
	BNC Female	65B <i>2.0" x 1.0" x 0.75"</i>	65B <i>2.0" x 1.0" x 0.75"</i>	65B <i>2.0" x 1.0" x 0.75"</i>	69B <i>3.0" x 1.0" x 0.75"</i>	69B <i>3.0" x 1.0" x 0.75"</i>	69B <i>3.0" x 1.0" x 0.75"</i>
100MHz to 1000MHz	PCB Pins	744 <i>0.7" x 0.38 x 0.4"</i>	744 <i>0.7" x 0.38 x 0.4"</i>	1144 <i>1.1" x 0.38 x 0.4"</i>	1144 <i>1.1" x 0.38 x 0.4"</i>	1344 <i>1.3" x 0.38 x 0.4"</i>	1344 <i>1.3" x 0.38 x 0.4"</i>
	SMT	SM1144 <i>1.1" x 0.38" x 0.38"</i>	SM1144 <i>1.1" x 0.38" x 0.38"</i>	SM1344 <i>1.3" x 0.38" x 0.38"</i>	SM1344 <i>1.3" x 0.38" x 0.38"</i>	SM1544 <i>1.5" x 0.38" x 0.38"</i>	SM1544 <i>1.5" x 0.38" x 0.38"</i>
	SMA Female	1054A <i>1.0" x 0.5" x 0.4"</i>	1054A <i>1.0" x 0.5" x 0.4"</i>	1254A <i>1.2" x 0.5" x 0.4"</i>	1254A <i>1.2" x 0.5" x 0.4"</i>	1554A <i>1.5" x 0.5" x 0.4"</i>	1554A <i>1.5" x 0.5" x 0.4"</i>

PLEASE REFER TO THE CASE OUTLINE DRAWINGS FOR THE EXACT DIMENSIONS and MOUNTING INFORMATION.

\*B= Butterworth to 500MHz  
 C=Chebyshev to 1000MHz  
 G=Gaussian to 200MHz