

Type of filter	$h(n), n \neq 0$	$h(0)$
Low-pass	$\frac{\sin(2\pi f_c n)}{\pi n}$	$2f_c$
High-pass	$\frac{\sin(\pi n)}{\pi n} - \frac{\sin(2\pi f_c n)}{\pi n}$	$1 - 2f_c$
Bandpass	$\frac{\sin(2\pi f_2 n)}{\pi n} - \frac{\sin(2\pi f_1 n)}{\pi n}$	$2(f_2 - f_1)$
Bandstop	$\frac{\sin(\pi n)}{\pi n} - \frac{\sin(2\pi f_2 n)}{\pi n} + \frac{\sin(2\pi f_1 n)}{\pi n}$	$1 - 2(f_2 - f_1)$