

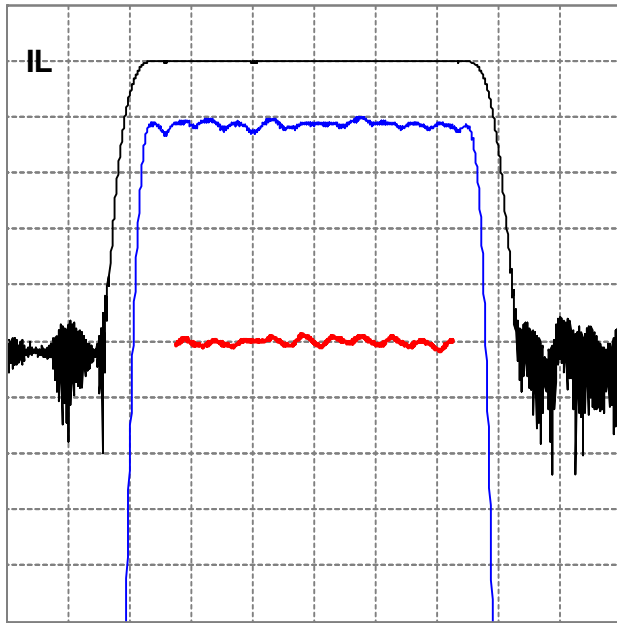
Specifications

Parameter	Unit	Min	Typical	Max
Center Frequency (F0)	MHz		304	
Bandwidth (B)	MHz		50	
Delay (T0)	μsec	2.59	2.601	2.61
Insertion Loss (IL)	dB		26	26.5
Amplitude Ripple	dB p-p		0.3	0.5
Phase Ripple	deg p-p		2.4	4
Spurious for t-T0 >.9T0	dB		-55	-54
Substrate Material		128YX-LN		

- Notes:
- Center Frequency (F0) and Bandwidth (B) are defined, not measured.
 - Insertion Loss is the minimum loss for $|f-F0| < .5B$
 - Ripple spec applies to $|f-F0| < .4B$, and is doubled for $.4B < |f-F0| < .5B$
 - Specifications are at 22C only. Unit will operate undamaged from -54C to 125C with shifts $dF0 = -x * F0$, $dT0 = x * T0$, where $x = 75E-6 * (\text{temperature} - 22C)$

Typical Performance

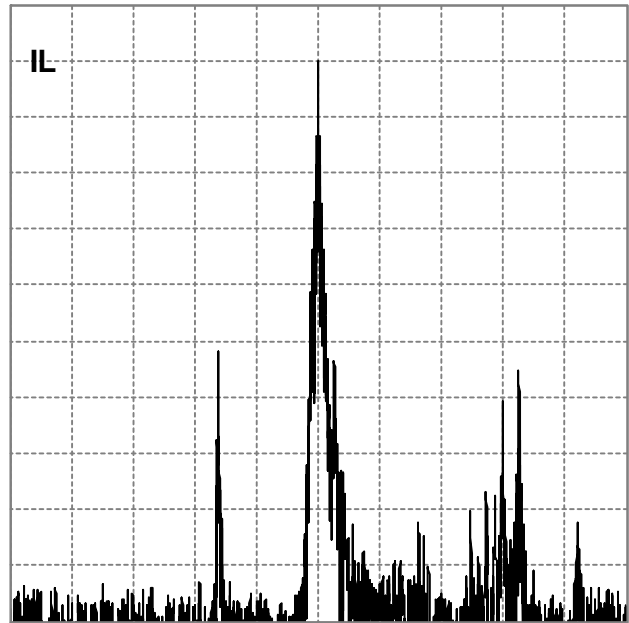
Frequency Response
(Best Fit Linear Phase Removed)



10 dB/div, 1 dB/div, 10 deg/div, 10,000 MHz/div

Impulse Response

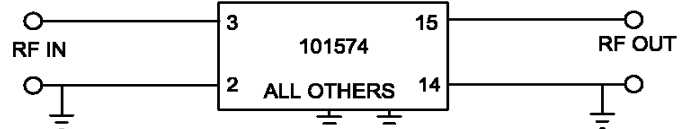
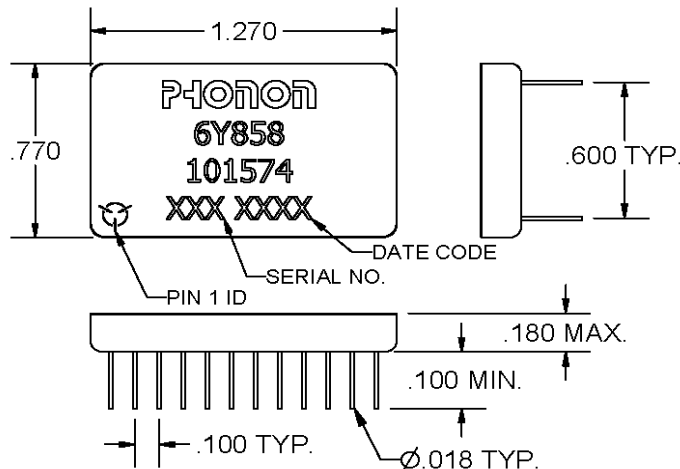
FFT(Frequency Response * Cos(0.5 * PI * MIN(1, MAX(0, |f-F0| * 2.0 / 50 - 1.0))) ^ 2)



10 dB/div, 1.600 us/div

Package Outline

Matching



Matched S-parameters available at www.phonon.com