

Specifications

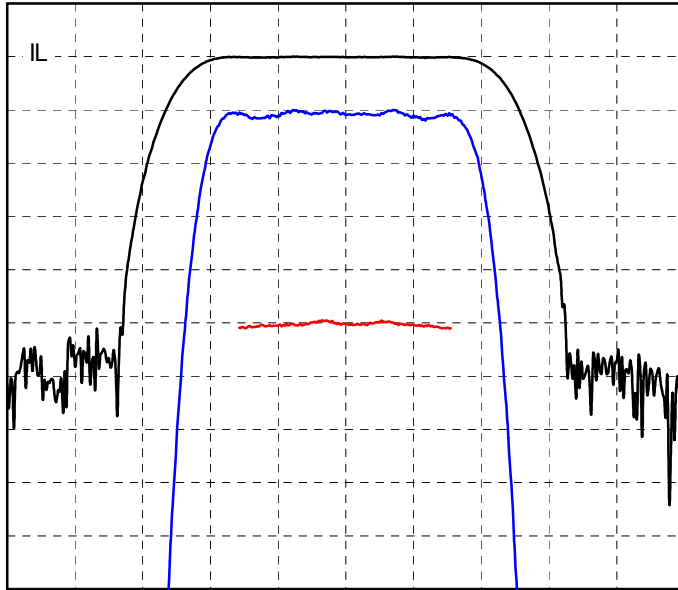
Parameter	Unit	Min	Typical	Max
Center Frequency (F0)	MHz		187.5	
Bandwidth (B)	MHz		35	
Delay (T0)	μsec	1.04	1.05	1.06
Insertion Loss (IL)	dB		29.3	30
Amplitude Ripple	dB p-p		0.2	0.5
Phase Ripple	deg p-p		1.5	2
Spurious for t-T0 >.9T0	dB		-61	-60
Substrate Material		YZ-LN		

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 $x = 94E-6 * (\text{temperature} - 22C)$

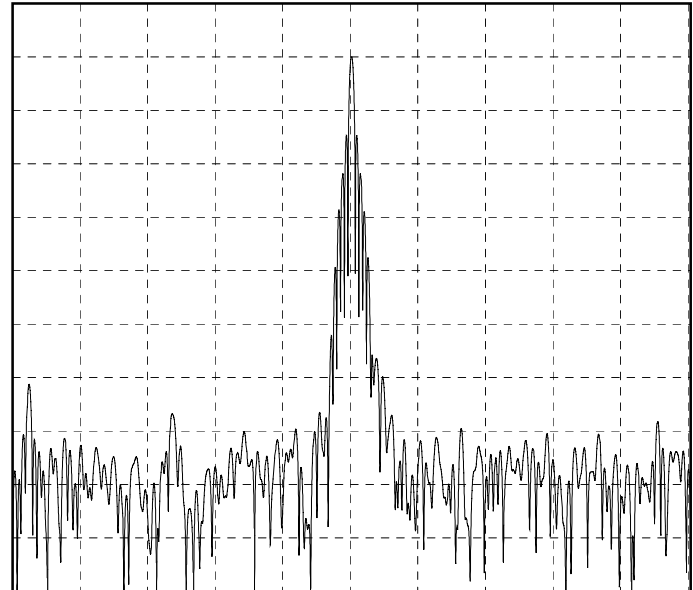
Typical Performance

Frequency Response
(Best Fit Linear Phase Removed)

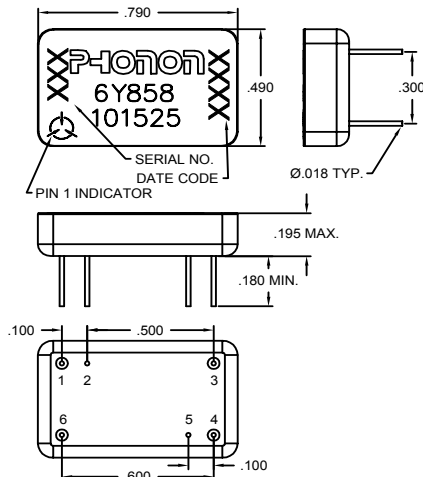


Impulse Response

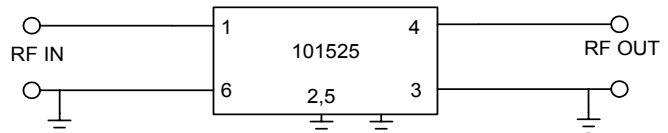
FFT(Frequency Response * Cos(0.5 * PI * MIN(1, MAX(0, |f-F0| * 2.0 / B - 1.0)))^2)



Package Outline



Matching



Matched S-parameters available at www.phonon.com