

Specifications

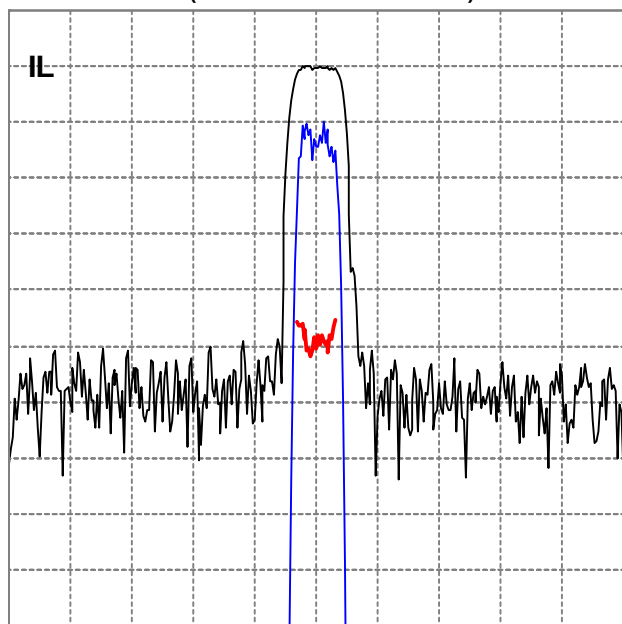
Parameter	Unit	Min	Typical	Max
Center Frequency (F0)	MHz		367.5	
Bandwidth (B)	MHz		2.5	
-3 dB Bandwidth (B3)	MHz	2.5	2.6	
-40 dB Bandwidth (B40)	MHz		4.13	4.39
Delay (T0)	μsec	2.107	2.123	2.138
Insertion Loss (IL)	dB		18.5	21.1
Amplitude Ripple	dB p-p		0.8	1.7
Phase Ripple	deg p-p		5.1	8.9
Rejection	dB	48	50	
Spurious for $ t-T0 > .9T0$	dB		-38	-34
Substrate Material	36YX-Q			

Notes:

1. Center Frequency (F0) and Bandwidth (B) are defined, not measured.
2. Insertion Loss is the minimum loss for $|f-F0| < .5B$
3. Ripple spec applies to the $|f-F0| < .4B$, and is doubled for $.4B < |f-F0| < .5B$
4. Rejection spec applies to $(B40 \text{ Spec} - B/2) < |f-F0| < F0/2$
5. Specifications are at 22C only. Unit will operate undamaged from -54C to 125C with shifts $dF0 = -x \cdot F0$, $dT0 = x \cdot T0$, where $x = 3E-8 \cdot (\text{temperature} - 22C)^2$

Typical Performance

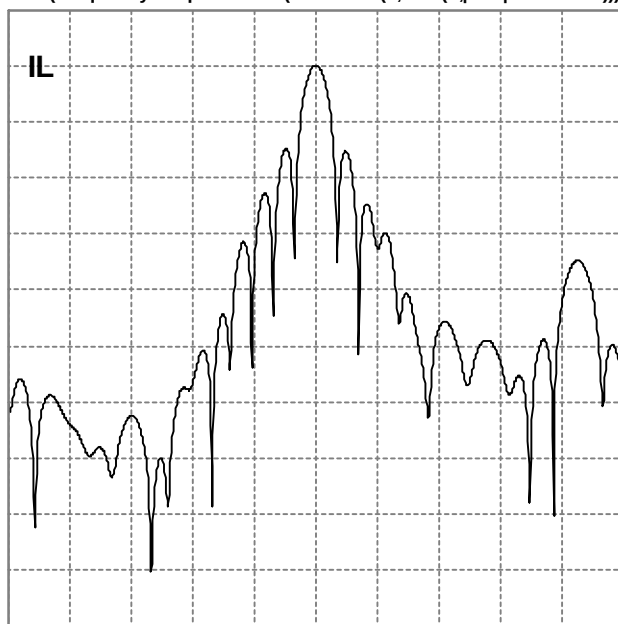
Frequency Response
(Best Fit Linear Phase Removed)



10 dB/div, 1 dB/div, 10 deg/div, 3.500 MHz/div

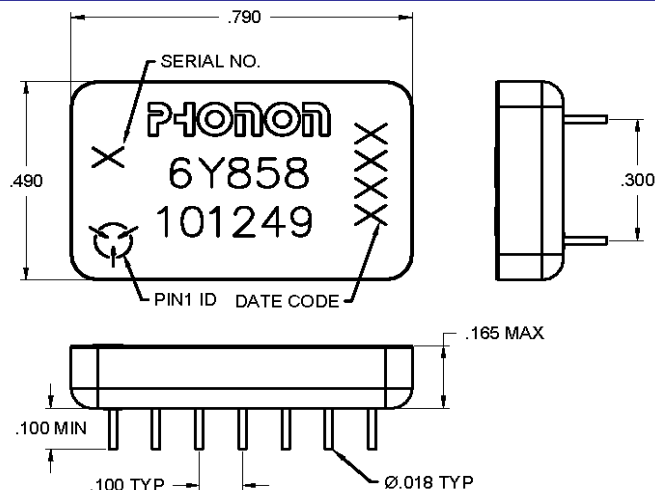
Impulse Response

$FFT(\text{Frequency Response} \cdot \cos(0.5 \cdot \pi \cdot \min(1, \max(0, |f-F0| \cdot 2.0 / 2.5 - 1.0)))^2)$

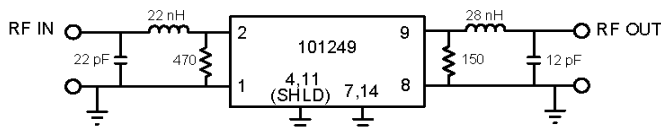


10 dB/div, 1.000 μs/div

Package Outline



Matching



Matched S-parameters available at www.phonon.com