

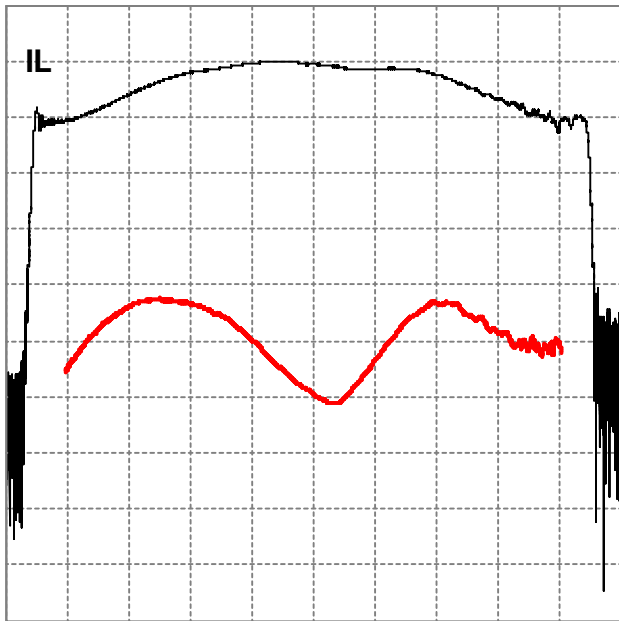
Specifications

Parameter	Unit	Min	Typical	Max
Center Frequency (F0)	MHz		500	
Bandwidth (B)	MHz		556	
Dispersion (T)	μsec		21	
Delay (T0)	μsec	12.69	12.82	12.95
Insertion Loss (IL)	dB		49.25	51
Slope (S0)	μs/MHz	-0.0388	-0.0384	-0.038
Pulse Width at -3dB	μsec		0.002	0.0021
Sidelobes for t-T0 <T	dB		-24.5	-22
Time Spurious for t-T0 >T	dB		-86	-80
Substrate Material		YZ-LN		

- Notes:
- Center Frequency (F0) and Bandwidth (B) are defined, not measured. Dispersion (T) is defined as $|B \cdot S_0|$.
 - Insertion Loss is the minimum loss for $|f-F_0| < .5B$
 - Delay and Slope determined by best fit quadratic pulse in $|f-F_0| < .5B$.
 - SAW is overized.
 - Sidelobes shown with phase corrected using Phonon AWG exciter.
 - Specifications may change at any time.

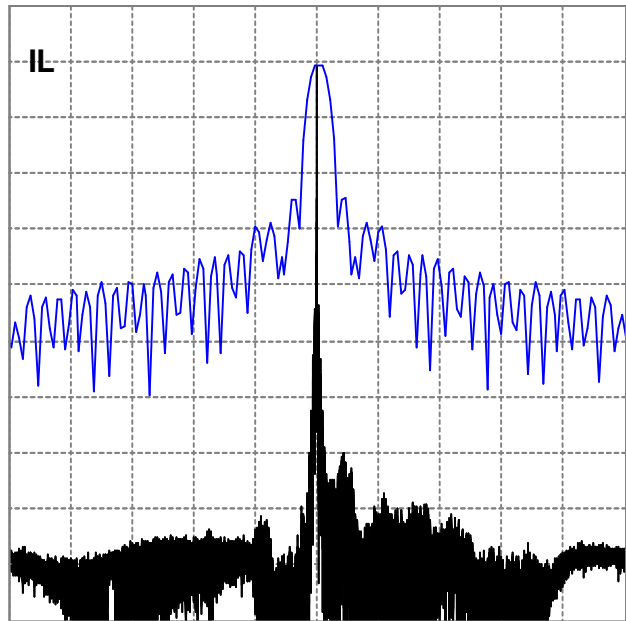
Typical Performance

Frequency Response
(Best Fit Quadratic Phase Removed)



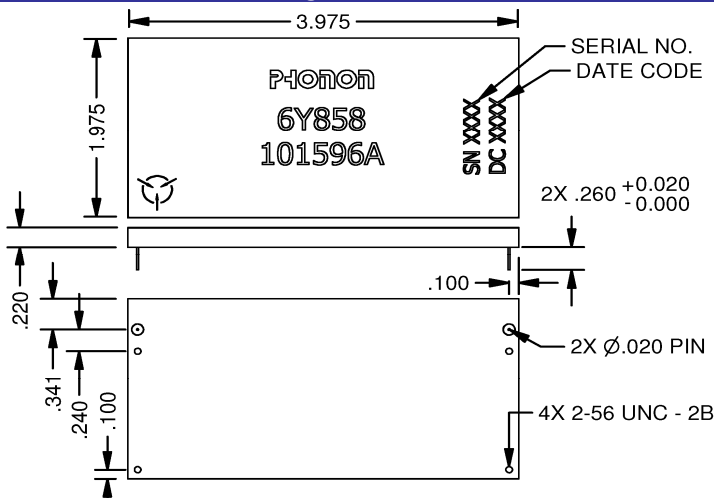
10 dB/div, 50 deg/div, 62.222 MHz/div

Compressed Pulse Response
(with 10th order polynomial exciter phase(t) correction)

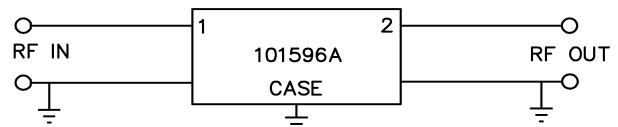


10 dB/div, 3.214 us/div, 0.008 us/div

Package Outline



Matching



Matched S-parameters available at www.phonon.com