

Specifications

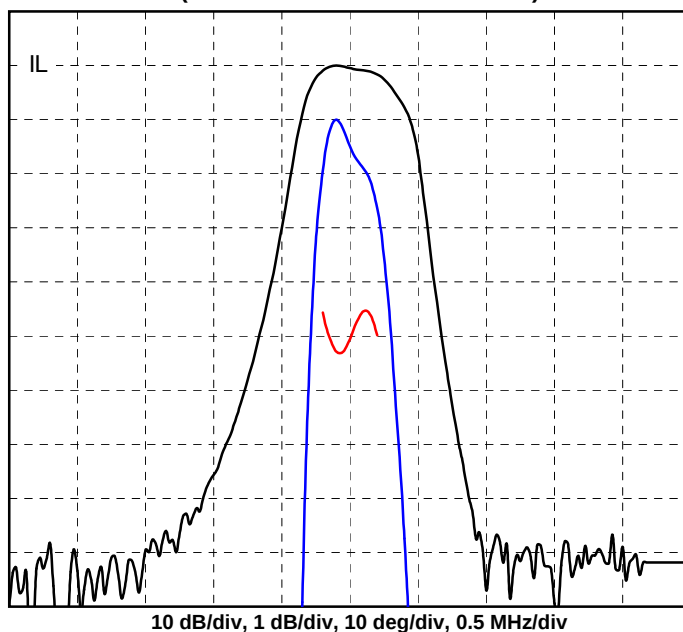
Parameter	Unit	Min	Typical	Max
Center Frequency (F0)	MHz		750	
Bandwidth (B)	MHz		0.3	
-3 dB Bandwidth (B3)	MHz	0.4	0.5	
Stopband Bandwidth	MHz		1.2	1.3
Delay (T0)	μsec	2.2	2.376	2.56
Insertion Loss (IL)	dB		11.4	14.5
Amplitude Ripple	dB p-p		0.8	2.2
Phase Ripple	deg p-p		8.3	18
Rejection	dB	75	82	
Substrate Material	30YX-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 $x = 3E-8 \cdot (\text{temperature} - 22C)^2$

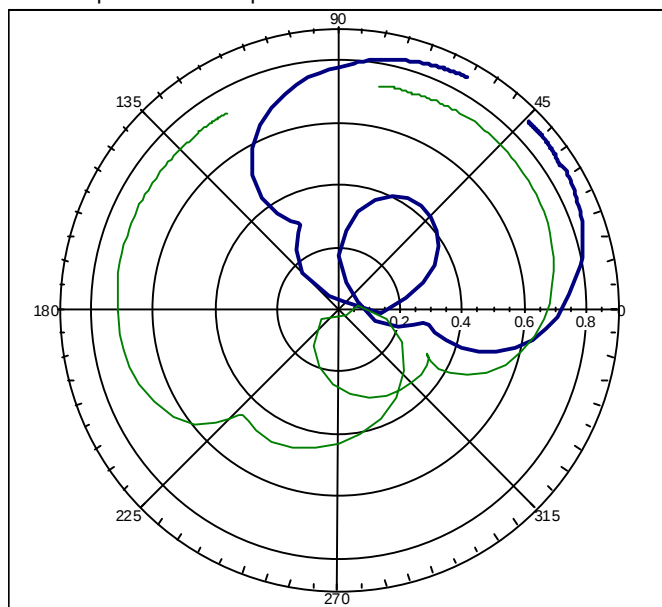
Typical Performance

Frequency Response
(Best Fit Linear Phase Removed)

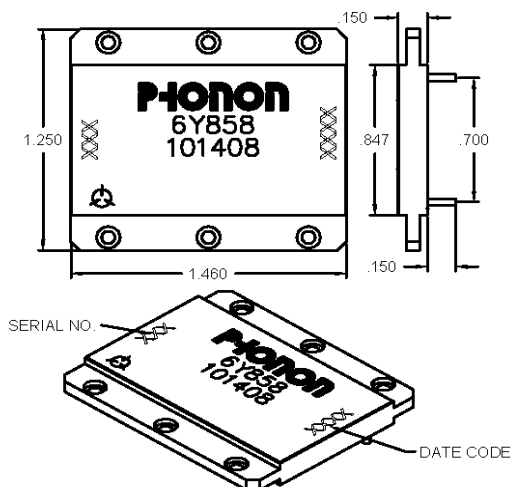


Return Loss

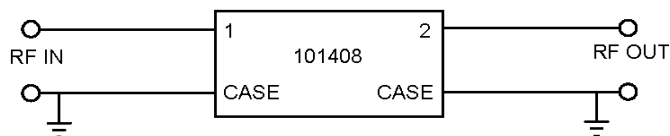
— Input — Output



Package Outline



Matching



Matched S-parameters available at www.phonon.com