

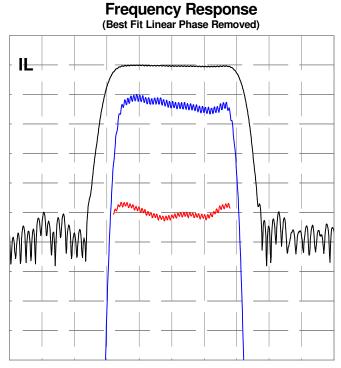
Specifications

Parameter	Symbol	Min	Typical	Max	Unit
Center Frequency	Fo		344.2		MHz
Bandwidth	В		16		MHz
–3 dB Bandwidth	B ₃	15.3	15.4		MHz
–40 dB Bandwidth	B ₄₀		20.2	20.4	MHz
Delay	To	1.36	1.362	1.37	µsec
Insertion Loss	IL		18.6	19	dB
Amplitude Ripple			0.7	1	dB _{P-P}
Phase Ripple			5.7	8	deg _{P-P}
Rejection		48	50		dB
Spurious for $ t - T_0 > .9T_0$			-39	-38	dB
Substrate Material	X112Y-LT				

Notes

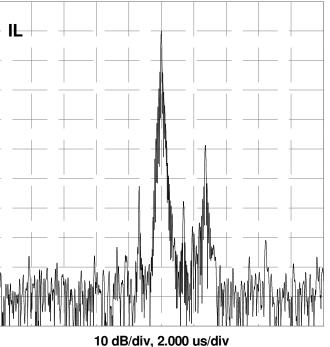
- 1. Center Frequency (F₀) and Bandwidth (B) are defined, not measured.
- 2. Insertion Loss is the minimum loss for $|f F_0| < .5B$
- 3. Ripple spec applies to the $|f F_0| < .4B$, and is doubled for $.4B < |f F_0| < .5B$
- 4. Rejection spec applies to $(B_{40} \text{ Spec} B/2) < |f F_0| < F_0/2$
- 5. Specifications are at 22 °C only. Unit will operate undamaged from -54 °C to 125 °C with shifts dF₀ = $-x^*$ F₀, dT₀ = x^* T₀, where $x = 18E-6^*$ (temperature -22 °C)

Typical Performance



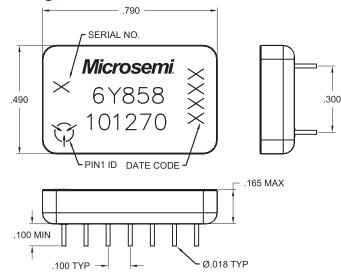
10 dB/div, 1 dB/div, 10 deg/div, 4.000 MHz/div

Impulse Response FFT(Frequency Response*Cos(0.5*PI*MIN(1,MAX(0,|f-F0|*2.0/16-1.0)))^2)

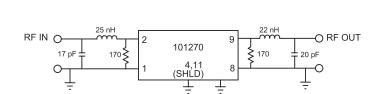




Package Outline



Matching





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