

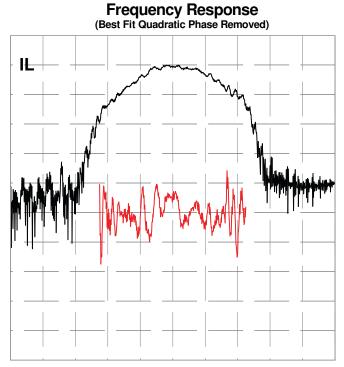
Specifications

Parameter	Symbol	Min	Typical	Max	Unit	
Center Frequency	F ₀		1200		MHz	
Bandwidth	В		200		MHz	
Dispersion	Т		0.5		µsec	
Delay	To	0.825	0.833	0.84	µsec	
Insertion Loss	IL		24	26	dB	
Slope	S ₀	-0.0026	-0.0026	-0.0025	µs/MHz	
Pulse Width at -3 dB			0.0061	0.0065	µsec	
Sidelobes for $ t - T_0 < T$			-27.7	-24	dB	
Time Spurious for $ t - T_0 > T$			-46	-40	dB	
Substrate Material	128YX-LN					

Notes

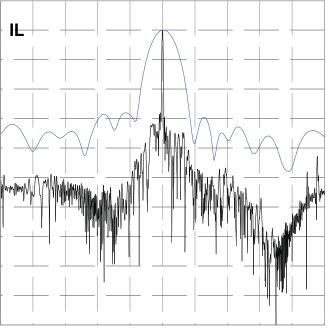
- 1. Center Frequency (F₀) and Bandwidth (B) are defined, not measured. Dispersion (T) is defined as $|B^*S_0|$.
- 2. Insertion Loss is the minimum loss for $|f F_0| < .5B$
- 3. Delay and Slope determined by best fit quadratic pulse in $|f F_0| < .5B$.
- 4. Specifications are at 22 °C only. Unit will operate undamaged from -54 °C to 125 °C with shifts dF₀ = $-x * F_0$, dT₀ = $x * (T_0 + S_0 * F_0)$, dS₀ = $x * 2 * S_0$, where x = 75E-6 * (temperature - 22 °C)

Typical Performance



10 dB/div, 10 deg/div, 40.000 MHz/div



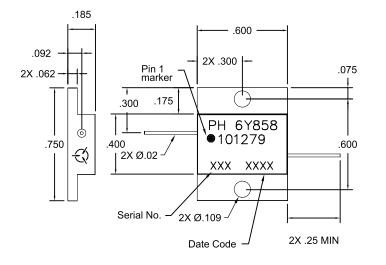


10 dB/div, 0.200 us/div, 0.010 us/div

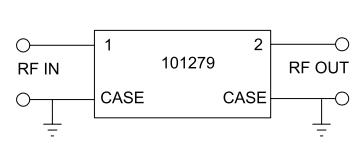


ID1200-200-.5 1200 MHz Dispersive Delay Line 200 MHz Bandwidth

Package Outline



Matching





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