

101489C RD200-40-33W- 200 MHz Dispersive Delay Line 40 MHz Bandwidth

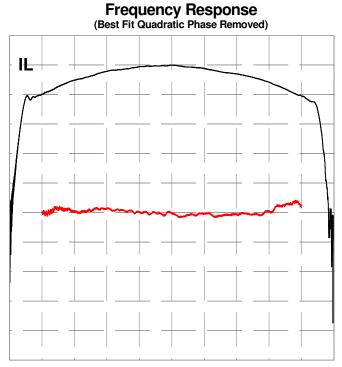
Specifications

Parameter	Symbol	Min	Typical	Max	Unit
Center Frequency	F ₀		200		MHz
Bandwidth	В		40		MHz
Dispersion	Т		33		µsec
Delay	To	19.6	19.678	19.75	µsec
Insertion Loss	IL		30.6	33	dB
Slope	S ₀	-0.83	-0.825	-0.82	µs/MHz
Pulse Width at -3 dB			0.0271	0.0276	µsec
Sidelobes for $ t - T_0 < T$			-24.9	-23	dB
Time Spurious for $ t - T_0 > T$			-78	-70	dB
Substrate Material	YZ-LN				

Notes

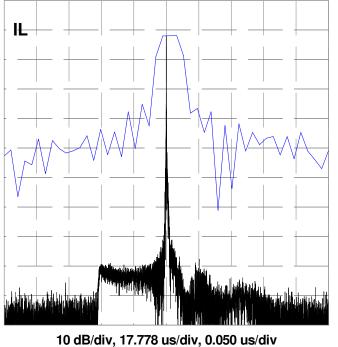
- 1. Center Frequency (F₀) and Bandwidth (B) are defined, not measured. Dispersion (T) is defined as $|B * S_0|$.
- 2. Insertion Loss is the minimum loss for $|f F_0| < .5B$
- 3. Delay and Slope determined by best fit quadratic pulse in $|f F_0| < .5B$.
- 4. Specifications are at 22 °C only. Unit will operate undamaged from -54 °C to 125 °C with shifts dF₀ = -x * F₀, dT₀ = x * (T₀ + S₀ * F₀), dS₀ = x * 2 * S₀, where x = 94E-6 * (temperature – 22 °C)

Typical Performance



10 dB/div, 10 deg/div, 4.500 MHz/div



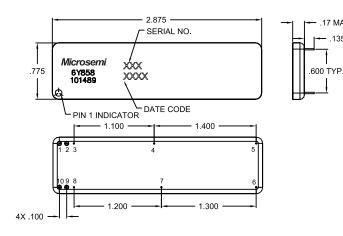




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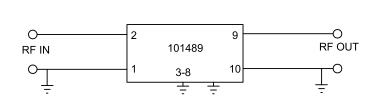
Package Outline



Matching

.17 MAX.

.135





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