

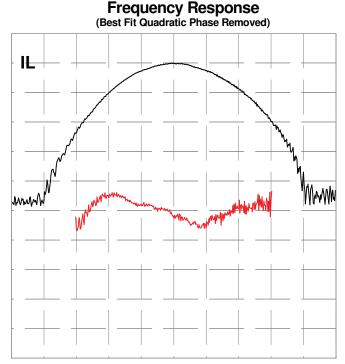
Specifications

Parameter	Symbol	Min	Typical	Max	Unit
Center Frequency	F ₀		60		MHz
Bandwidth	В		14		MHz
Dispersion	Т		16		µsec
Delay	To	11.582	11.604	11.625	µsec
Insertion Loss	IL		31.4	31.7	dB
Slope	S ₀	1.1633	1.1667	1.1701	µs/MHz
Pulse Width at -3 dB			0.0985	0.099	µsec
Sidelobes for $ t - T_0 < T$			-38.5	-32.2	dB
Time Spurious for $ t - T_0 > T$			-53	-50	dB
Substrate Material	128YX-LN				

Notes

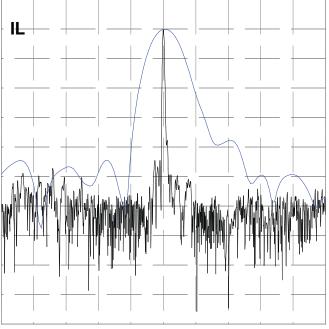
- 1. Center Frequency (F₀) and Bandwidth (B) are defined, not measured. Dispersion (T) is defined as $|B * S_0|$.
- 2. Insertion Loss is the minimum loss for $|f F_0| < .5B$
- 3. Delay and Slope determined by best fit quadratic pulse in $|f F_0| < .5B$.
- 4. Specifications are at 22 °C only. Unit will operate undamaged from -54 °C to 125 °C with shifts dF₀ = -x * F₀, dT₀ = x * (T₀ + S₀ * F₀), dS₀ = x * 2 * S₀, where x = 75E-6 * (temperature – 22 °C)

Typical Performance



10 dB/div, 10 deg/div, 2.000 MHz/div





10 dB/div, 2.500 us/div, 0.148 us/div

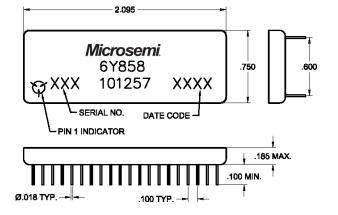


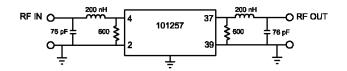
101257C

RD60-14-16R 60 MHz Dispersive Delay Line 14 MHz Bandwidth

Package Outline









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