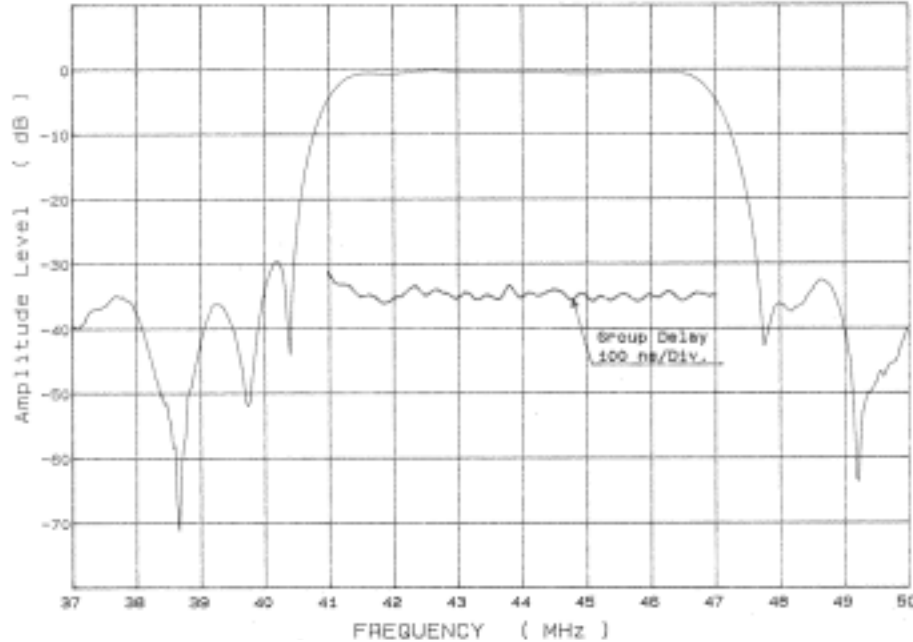


TSA1460U

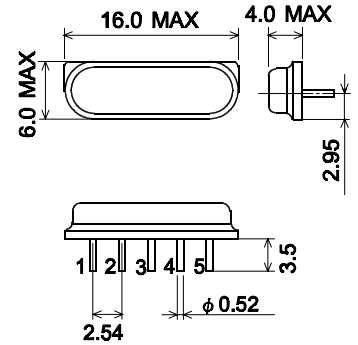
APPLICATION : Digital Transmission System

Center Frequency : 44.0 MHz
Band Width : 5.9 MHz

Amplitude and Group Delay Response



Package (U type)



Unit : mm

ELECTRIC CHARACTERISTICS (Ta = 25 °C)

· Drive Impedance : 50 Ω · Load Impedance : 1.2 k Ω || 5 pF

CHARACTERISTICS		Freq. (MHz)	SPECIFICATIONS			Unit
			Upper	Nom.	Lower	
1	Amplitude Response ref.: 44.0 MHz	39.75	-35	-52		(dB)
		40.5	-12.0	-24.0		
		40.75	-5.0	-7.7		
		41.0	-2.1	-3.2	-4.3	
		41.25	-0.1	-1.1	-2.1	
		41.5	+0.5	-0.2	-0.9	
		46.5	+0.5	0.0	-0.5	
		46.75	0.3	-0.7	-1.7	
		47.0	-3.0	-4.0	-5.0	
		47.25	-5.0	-6.5		
47.5	-10.0	-13.0				
2	Spurious Response	25.0 ~ 39.5	-29	-33		
		47.8 ~ 75.0	-24	-42		
3	Group Delay Ref.: 44.0 MHz	41.25		10		(ns)
		41.5		0		
		46.5		0		
		46.75		0		
4	Group Delay Ripple	41.5 ~ 46.25	60	20		
5	Insertion Loss	44.0		-32.5	-34.0	(dB)
6	Temperature Coefficient			-18		ppm/ °C
7	Input Capacitance	1.0	14.6			(pF)
	Input Resistance	44.0	3.5			(KΩ)
	Output Capacitance	1.0	9.0			(pF)
	Output Resistance	44.0	4.6			(KΩ)

Pin Connection

NO.	FUNCTION
1	INPUT(HIGH)
2	INPUT(LOW)
3	GND
4	OUTPUT
5	OUTPUT

Equivalent Circuit

