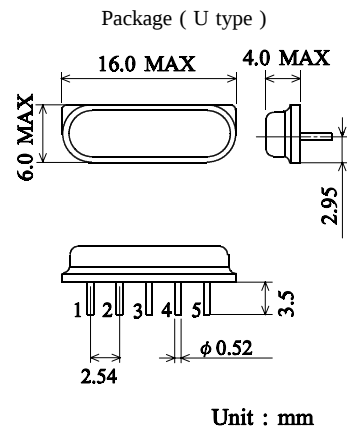
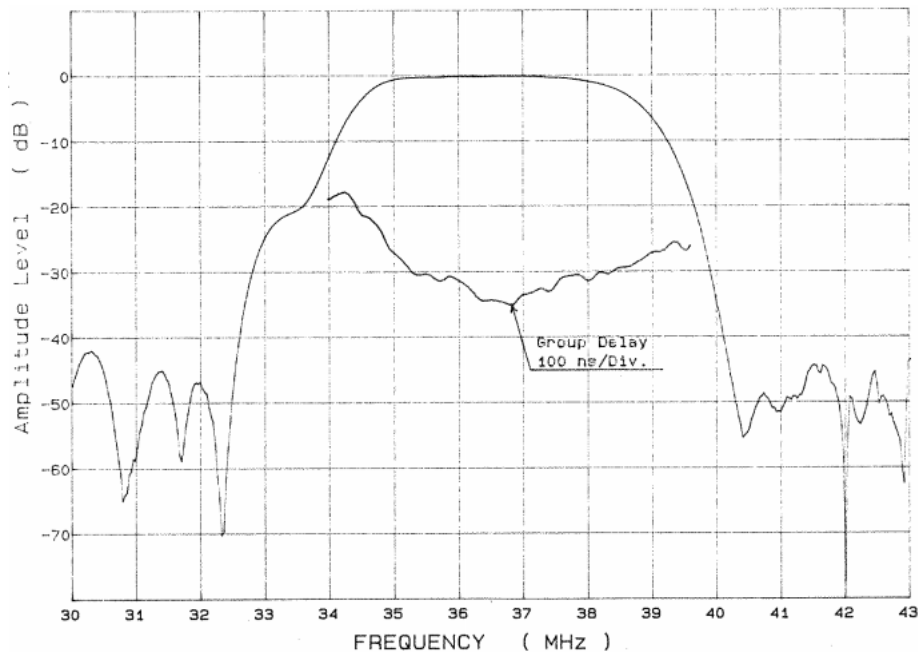


TSF5316U

APPLICATION : IF Filter for Inter-Carrier
IF : 38.9 MHz
SYSTEM : B/G

Amplitude and Group Delay Response



ELECTRIC CHARACTERISTICS (Ta = 25°C)

· Drive Impedance : 50-ohm · Load Impedance : 1.2 k-ohm // 5 pF

CHARACTERISTICS		Freq. (MHz)	SPECIFICATIONS			Unit
			Upper	Nom.	Lower	
1	Amplitude Response Ref.:37.4 MHz	41.4	-40	-47		(dB)
		40.4	-45	-53		
		40.16	-40	-50		
		38.9	-4.2	-5.4	-6.6	
		34.47	-1.7	-2.9	-4.1	
		33.4	-18.0	-20.0	-22.0	
		32.4	-46	-56		
		31.9	-44	-56		
		30.9	-40	-50		
2	Spurious Response	25.0 ~ 30.9	-32	-40		(dB)
		41.4 ~ 45.0	-32	-42		
3	Group Delay Ref.:38.9 MHz	36.9		-70		(ns)
		34.47		60		
4	Insertion Loss	37.4		-15.0	-17.0	(dB)
5	Temperature Coefficient			-72		ppm/°C
6	Input Capacitance	1.0		11.6		(pF)
	Input Resistance	37.4		1.2		(K-ohm)
	Output Capacitance	1.0		6.6		(pF)
	Output Resistance	37.4		1.5		(K-ohm)

Pin Connection

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

Equivalent Circuit

