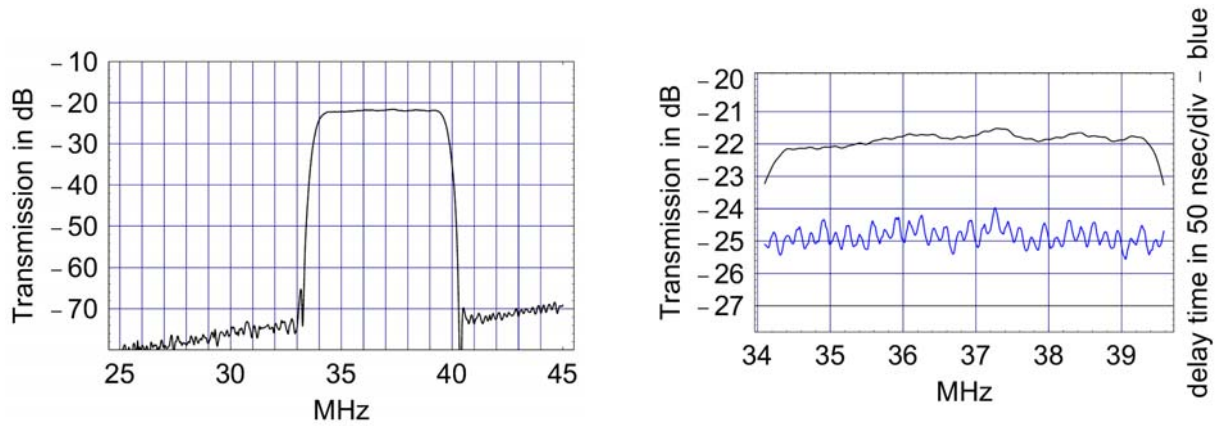




Data Sheet

HSW 523 Vestigial Sideband Filter

Typical Performance

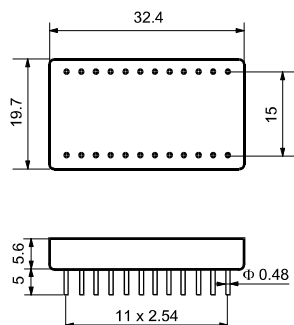


Specifications

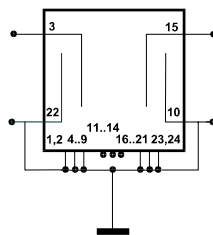
The levels given refers to the point of 38.9 MHz

	Frequency (MHz)	Minimum	Typical	Maximum
Insertion Loss	38.9	—	23 dB	25 dB
Passband Variation	34.3 - 39.0	—	0.5 dB	0.8 dB
	34.2 - 39.4	—	0.8 dB	1.2 dB
Relative Attenuation	39.65	—	2 dB	2.5 dB
	33.4	28 dB	30 dB	—
	40.4	40 dB	50 dB	—
	32.9	40 dB	50 dB	—
Side Lobe Rejection	25 - 31.9	40 dB	50 dB	—
	40.4 - 45.0	40 dB	50 dB	—
Group Delay Variation	33.8 - 39.6	—	±25 ns	±30 ns
Temperature Coefficient	-72 ppm/K			

Package Outline



Matching Configuration



Test conditions:

$T_A = 25^\circ\text{C}$
 Input drive impedance: 50 Ohm
 Load impedance: 50 Ohm