LBS32201 SAW Filter Technical Specification

S P
LBS32201

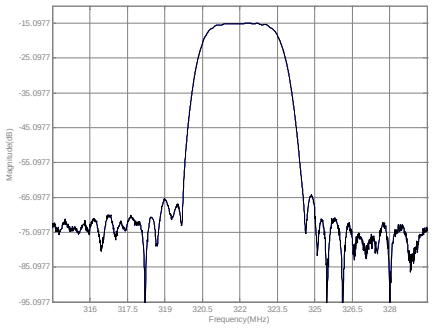
Absolute Maximum Ratings

Rating	Value	Units
Maximum Incident Power in Passband	+10	dBm
Max. DC voltage between any 2 terminals	30	VDC
Operating Temperature Range	-30 to +85	°C

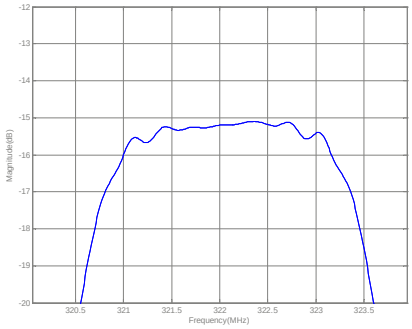
Electrical Characteristics

Characteristic		Sym	Min	Typ	Max	Units
Nominal Center Frequency		fC	321.85	322	322.15	MHz
Passband	Insertion Loss at fc	IL	-	15	16	dB
	3 dB Bandwidth	BW3	2.6	2.77	-	MHz
	20 dB Bandwidth	BW20	-	4.00	4.1	MHz
	45 dB Bandwidth	BW45	-	4.71	6.0	MHz
	Ripple	rp	-	0.5	0.7	dB
	Group Delay Variation over fc ±1.1 MHz	GDV	-	40	70	nsP-P
Rejection	fc ±12 MHz	UR	50	55	-	dB
Substrate Material		Quartz				
Impedance Matching to 50 Ω unbalanced		External L-C				
Case Style		SMP-53		13.3 x 6.5 mm Nominal Footprint		

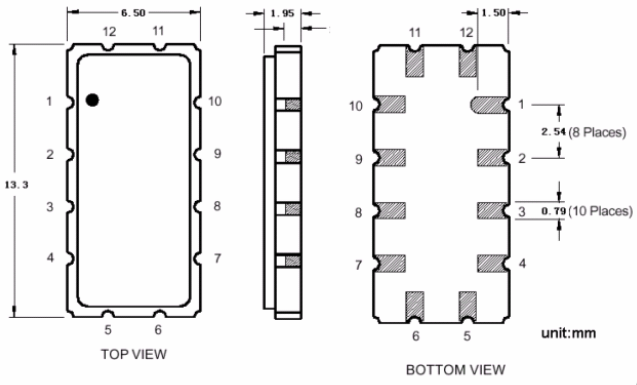
Frequency Response



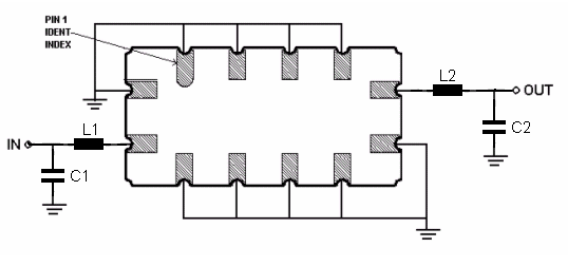
Passband Respond



Package Outline



Matching Configuration



L1=18nH L2=12nH
C1=C2=22pF

Notes - Component values may change depending on board layout.