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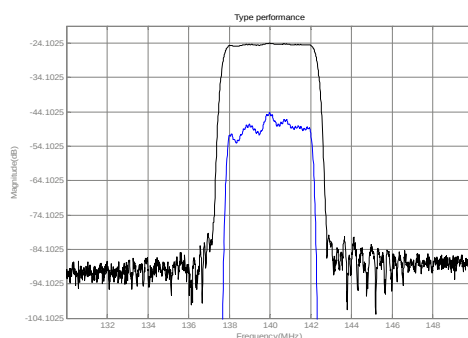
China Electronics Technology Group Corporation No.26 Research Institute

LBT14049 SAW Filter Electrical Characteristic

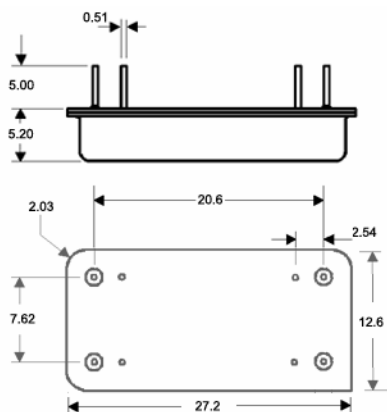
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	139.92	140	140.08
Insertion Loss	dB	-	24.1	25
1 dB Bandwidth	MHz	4.1	4.14	-
3 dB Bandwidth	MHz	4.4	4.44	-
40 dB Bandwidth	MHz	-	5.35	5.5
50 dB Bandwidth	MHz	-	5.5	6.5
Phase Linearity (over 1 dB Bandwidth)	degree	-	4.5	3
Group Delay Variation (over 1 dB Bandwidth)	nsec	-	87	-
Passband Variation	dB	-	0.8	1
Absolute Delay	usec	-	3.52	3.75
Ultimate Rejection	dB	50	60	-
Substrate Material		112LT		
Ambient Temperature	°C	25		
Package Size		DIP2712 (27.2x12.7x5.2mm ³)		

Typical Performance



Package Outline



Matching Configuration



C1=47pF C2=56pF L1=15nH L2=18nH

Source / Load Impedance = 50 ohm

Notes - Component values may change depending
on board layout.