

### Product Search Data Sheet

Note: This datasheet may be out of date.

Please download the latest datasheet of LFL182G54TC1B838 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=LFL182G54TC1B838

## LFL182G54TC1B838











### **Applications**

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Consumer equipment,Industrial	
	Equipment,Medical equipment [GHTF	
	A/B],Mobile Electronics	
	Please refer to Our Website and	
Charifia	specifications, etc. for information about	
Specific Applications	the performance, functions, quality,	
	management, and safety required for	
	the above applications, and use	
	Products after confirming the	
	performance and reliability of the actual	
	Product.	
Recommended Applications	Consumer equipment,Industrial	
	Equipment,Medical equipment [GHTF	
	A/B],Mobile Electronics	

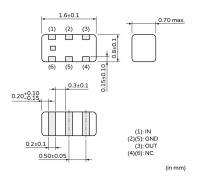


### **Packaging Information**

Packaging		Standard Packing Quantity
-	180mm Paper Tape	4000



## Appearance & Shape



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### Attention

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- $2. This \ data{sheet has only typical specifications because there is no \ space for \ detailed \ specifications.}$
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small, low-profiled, lightweight chip filters based on ceramic multilayer technology.

Offering stable high selectivity up to very high frequency.

- 1. Low loss
- 2. Ultra-small, low-profiled, lightweight low-pass filters.
- 3. Ideal for removing high-frequency harmonics at power amplifier and IF stage.
- 4. Available in tape and reel packings for automatic mounting.
- 5. Absolutely no adjustment required.
- 6. Reflow solderable.
- 7. Center frequencies and responses are ready for customization. Samples are available in a short lead time.

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## **Specifications**

Applications	WIMAX
Nominal Center Frequency (fo)	2545.00MHz
Bandwidth(BW)	fo±145.00MHz
Insertion Loss in BW I)	0.40dB max. (at 25°C)
Insertion Loss in BW II)	0.43dB max. (-40 to +85°C)
Attenuation(Absolute Value)	26.0dB min. at 4800.00 to 5390.00MHz
Attenuation(Absolute Value)	23.0dB min. at 7200.00 to 8085.00MHz
Attenuation(Absolute Value)	7.0dB min. at 8000.00 to 10000.00MHz
VSWR(max.)	2.0
Characteristic Impedance (Nom.)	50Ω
Power Capacity	3W
Operating Temperature Range	-40°C to 85°C
L x W (size)	1.60x0.80mm
Thickness(max.)	1.0mm

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