

### Product Search Data Sheet

Note: This datasheet may be out of date.  $Please\ download\ the\ latest\ data sheet\ of\ LFL182G54TC1B838\ from\ the\ official\ website\ of\ Murata$ Manufacturing Co., Ltd.

http://www.murata.com/en-gb/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.
December ded	Consumer equipment,Industrial
Recommended	Equipment,Medical equipment [GHTF
Applications	A/B],Mobile Electronics

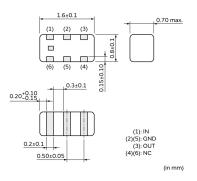


### Packaging Information

Packaging	Specifications	Standard Packing Quantity
-	180mm Paper Tape	4000



# Appearance & Shape



1 of 3

- 1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- 2. This datasheet has only typical specifications because there is no space for detailed specifications.
- Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.





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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) I)	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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