



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Thin-Film Band Pass Filters

For 5.0GHz W-LAN

TFSB Series

Type: **TFSB10055375-1103A1 (1.0×0.5×0.3mm)**

Issue date: August 2014

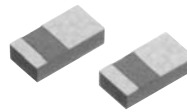
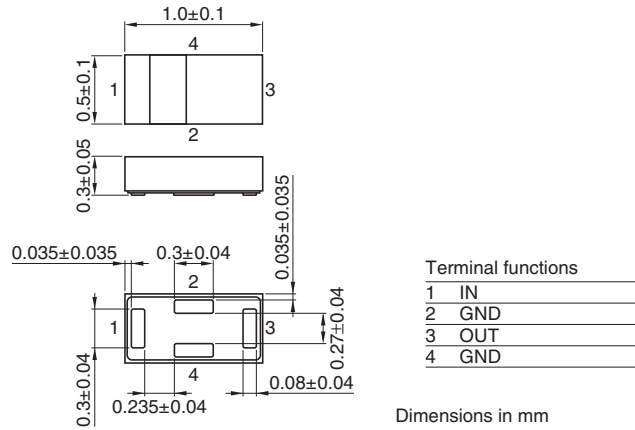
- All specifications are subject to change without notice.
 - Conformity to RoHS Directive: This means that, in conformity with EU Directive 2011/65/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.
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Thin-Film Band Pass Filters For 5.0GHz W-LAN

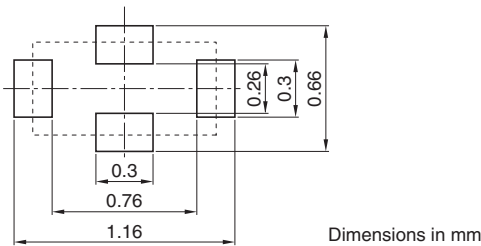
Conformity to RoHS Directive

TFSB Series TFSB10055375-1103A1

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERNS



ELECTRICAL CHARACTERISTICS

Item		Minimum value	Typical value	Maximum value	
Insertion loss	[4900 to 5850MHz]	(dB)	—	0.9	1.5
	[4900 to 5850MHz]	(dB)	10	14.7	—
Return loss	[824 to 1000MHz]	(dB)	40	47.3	—
	[1250 to 1500MHz]	(dB)	40	47.7	—
Attenuation	[1750 to 1910MHz]	(dB)	40	54.4	—
	[9800 to 11700MHz]	(dB)	15	21.2	—
	Operating	(°C)	−40	—	+85
Temperature range	Storage	(°C)	−40	—	+85

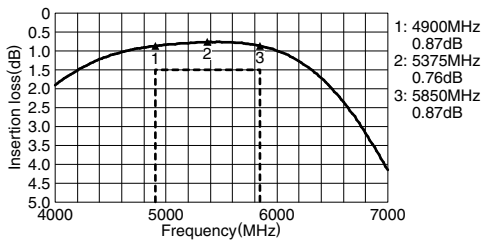
• Ta: +25°C

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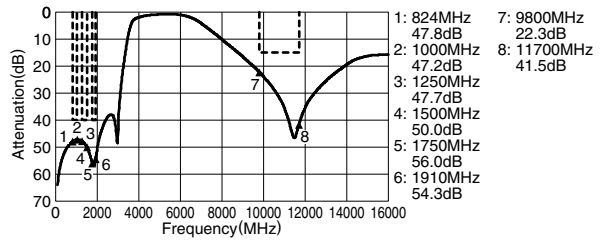
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FREQUENCY CHARACTERISTICS

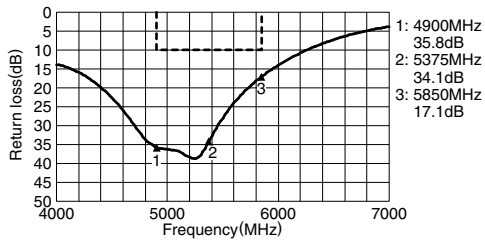
INSERTION LOSS S21



ATTENUATION S21



RETURN LOSS S11



RETURN LOSS S22

