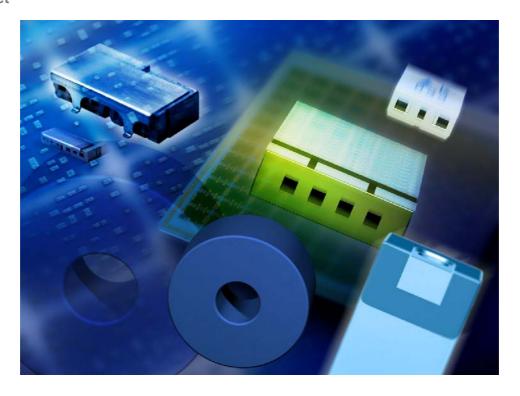


Filter

3-Pole Filter for WLL Base Station

B69843N3507A160

Data Sheet



Application

• RF filter for WLL (Wireless Local Loop)

Features

- SMD filter consisting of coupled resonators with stepped impedances
- MgTiO₃-CaTiO₃ (ε_{Γ} = 21 / TC_f =0±10 ppm/K) with a coating of copper (10 μ m) and tin (>5 μ m)
- Excellent reflow solderability, no migration effect due to copper/tin metallization

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 - Footprint
- Page 3 Characteristics
 - Maximum ratings
 - Typical passband characteristic
- Page 4 Processing information
 - Soldering requirements
 - Delivery mode

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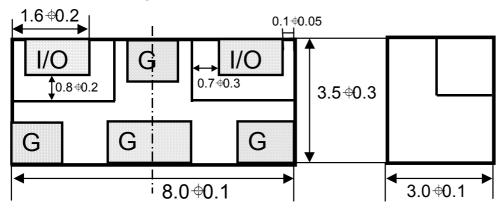
Filter

3-Pole Filter for WLL Base Station

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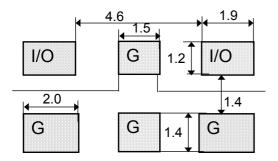
Component drawing



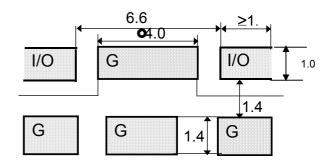
View from below onto the solder terminals and view from beside

Footprint

recommended



compatible footprint





Filter

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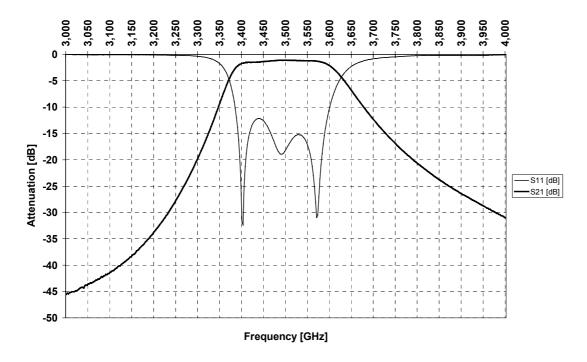
Characteristics

min.	typ.	max.	
-	3500.0	-	MHz
	1.2	1.8	dB
160			MHz
	0.5	1.0	dB
	1.5	2.0	
	50		Ω
		1.0	W
40 26 25	45		dB dB dB
- 3	3 160 2 40 26	3500.0 1.2 160 0.5 1.5 50 40 26 25	3500.0 - 1.8 160 0.5 1.0 1.5 2.0 50 1.0 40 26 25

Maximum ratings

IEC climatic category (IEC 68-1)		- 40/+ 90/56	
Operating temperature	T_{op}	-40 / + 85	°C

Typical passband characteristic



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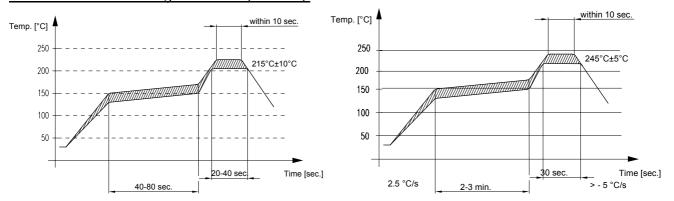
Processing information

Wettability acc to IEC 68-2-58: ≥ 75% (after aging)

Soldering Requirements

	Profile for eutectic SnPb solder paste	Profile for leadfree solder paste	
Soldering type	reflow	reflow	
Maximum soldering temperature (measuring point on top surface of the component)		260 (max. 2 sec.) 250 (max. 10 sec.)	°C °C

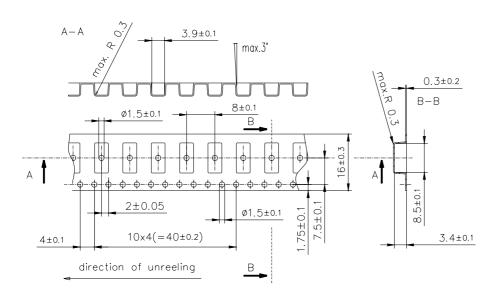
Recommended soldering conditions (infrared):



Delivery mode

• Blister tape acc. to IEC 286-3, PS, grey

• Pieces/tape: 2000



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The information contained in this data sheet describes the type of component and shall not be considered as guaranteed characteristics. Purchase orders are subject to the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry recommended by the ZVEI (German Electrical and Electronic Manufacturers' Association), unless otherwise agreed.

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