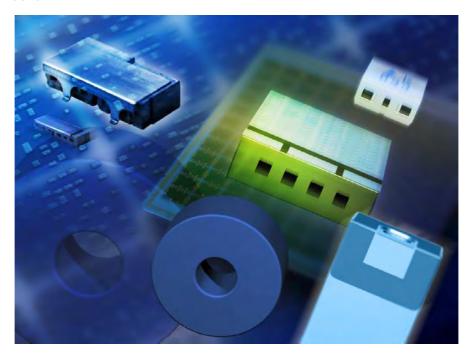


Filter

2-Pol Filter for DECT

B69812N1897G320

Datasheet Standard



Features

- SMD filter consisting of coupled resonators with stepped impedances
- (NdBa)TiO₃ ($\varepsilon_r = 88 / TC_f = 0 \pm 10 \text{ ppm/K}$) 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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 - Recommended footprint
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 - · Maximum ratings
 - Typical passband characteristic
- Page 4 Processing information
 - Soldering requirements
 - Delivery mode

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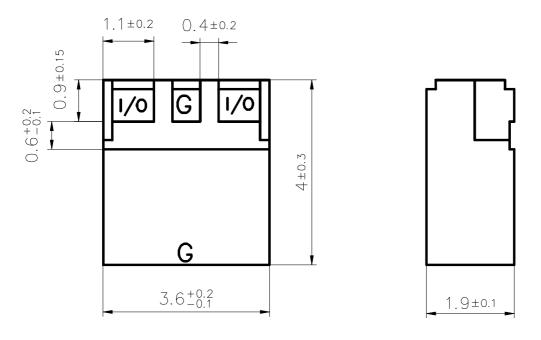


Filter

2-Pol Filter for DECT

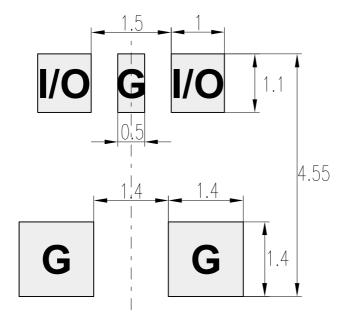
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Datasheet Standard Component drawing



View from below onto the solder terminals and view from beside

Recommended footprint



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Filter

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Datasheet Standard

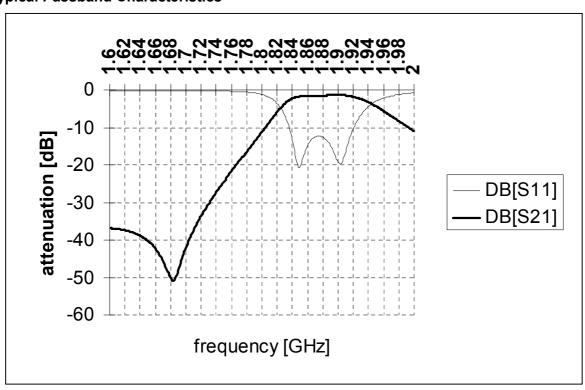
Characteristics

			min.	typ.	max.	
Center frequency		f_{C}	-	1890	-	MHz
Insertion loss		α_{IL}		1.0	1.7	dB
Passband		В	20			MHz
Amplitude ripple (pe	Amplitude ripple (peak - peak)			0.3	0.5	dB
Standing wave ratio		SWR		1.5	2.0	
Impedance Attenuation		<i>Z</i> α		50		Ω
	at 1680 MHz		30	35		dB
	at 1780 MHz		9	10		dB
	at 2000 MHz		8	12		dB

Maximum ratings

IEC climatic category (IEC 68-1)		- 40/+ 90/56	
Operating temperature	T_{op}	0 / + 55	°C

Typical Passband Characteristics



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Filter

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Processing information

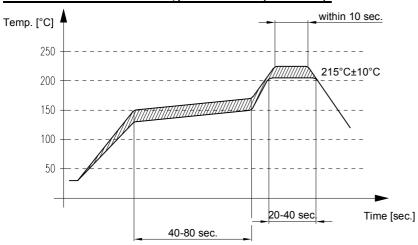
ZNr.: 514 (FILT95_2)

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

Soldering requirements

Soldering type	reflow	
	235 (max. 2 sec.) 225 (max. 10 sec.)	သို့ လ

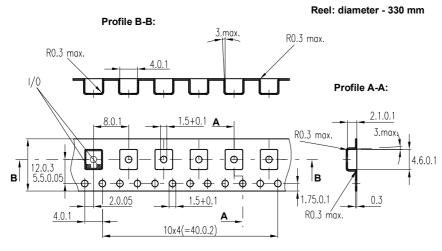
Recommended soldering conditions (infrared):



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Delivery mode

- Blister tape to IEC 286-3, polyester, grey
- Pieces/tape: 3000



direction of unreeling

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