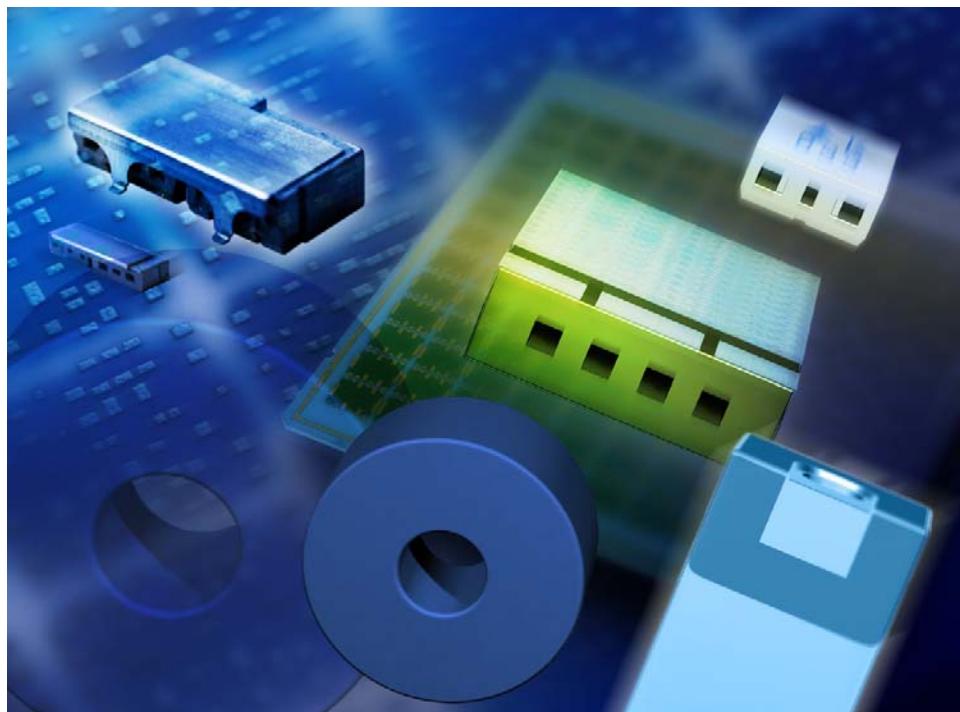


Preliminary datasheet

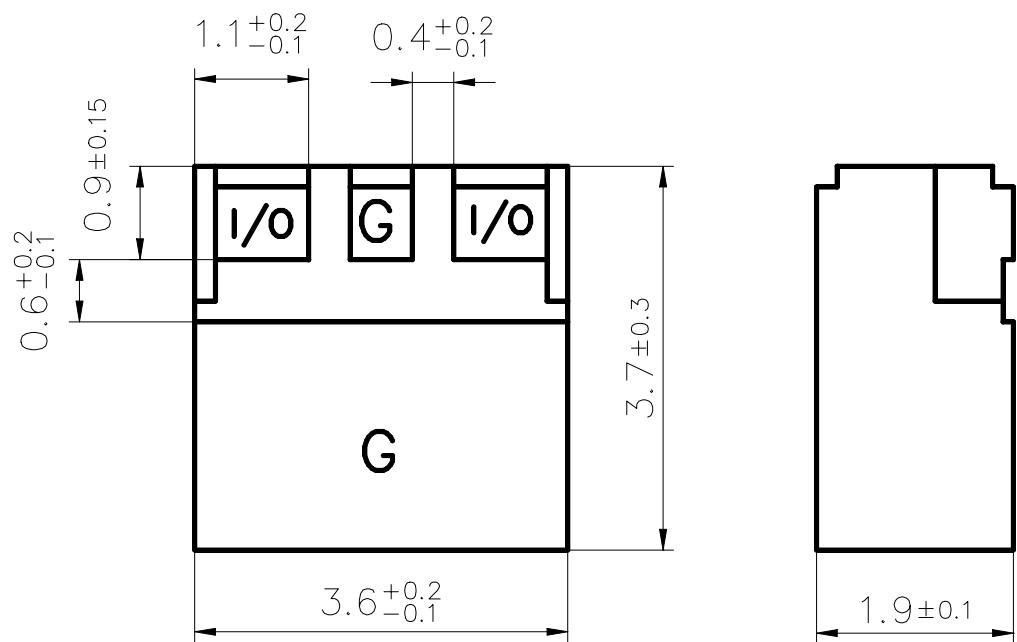


Features

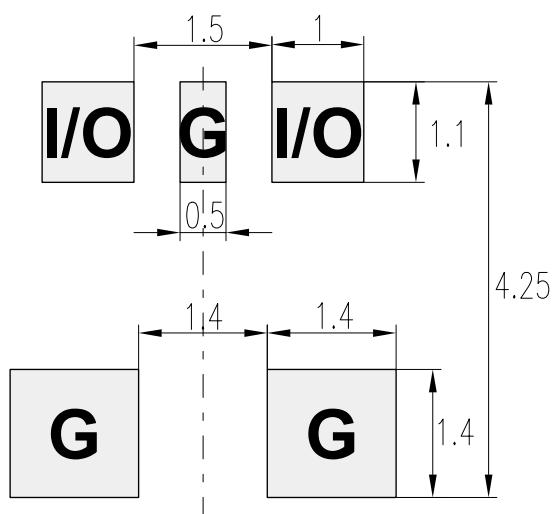
- SMD filter consisting of coupled resonators with stepped impedances
- $(\text{NdBa})\text{TiO}_3$ ($\epsilon_r = 88$ / $TC_f = 0 \pm 10 \text{ ppm/K}$) with a coating of copper ($10\mu\text{m}$) and tin ($>5\mu\text{m}$)
- Excellent reflow solderability, no migration effect due to copper/tin metallization

Index

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Page 4	<ul style="list-style-type: none">● Processing information● Soldering requirements● Delivery mode

Preliminary datasheet
Component drawing


View from below onto the solder terminals and view from beside

Recommended footprint


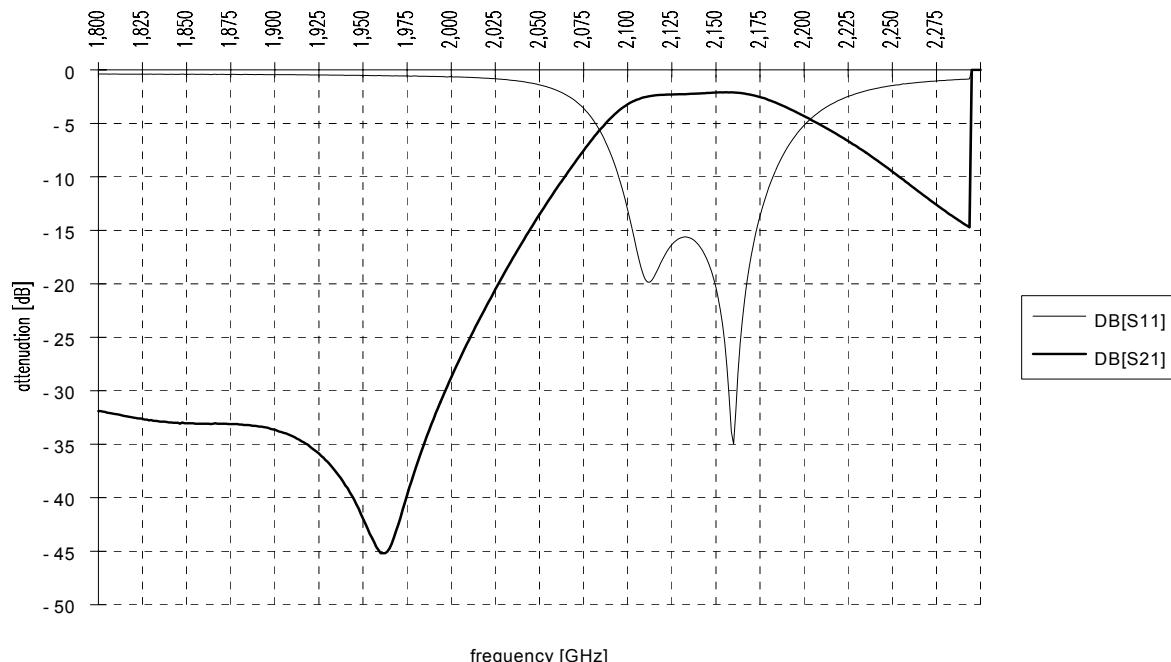
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Microwave Ceramics and Modules
2-Pole Filter for IMT 2000 / UMTS / W-CDMA RX
Product type
B69812N2147A360
Preliminary datasheet
Characteristics

		min.	typ.	max.	
Center frequency	f_c	-	2140	-	MHz
Insertion loss	α_{IL}		1.5	2.0	dB
Passband	B	60			MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$		0.5	1.0	dB
Standing wave ratio	SWR		1.5	2.0	
Impedance	Z		50		Ω
Power	P			1.0	W
Attenuation at 1920 to 1980 MHz	α	30	35		dB

Maximum ratings

IEC climatic category (IEC 68-1)	- 40/+ 90/56	
Operating temperature	T_{op} -30 / +85	°C

Typical passband characteristic


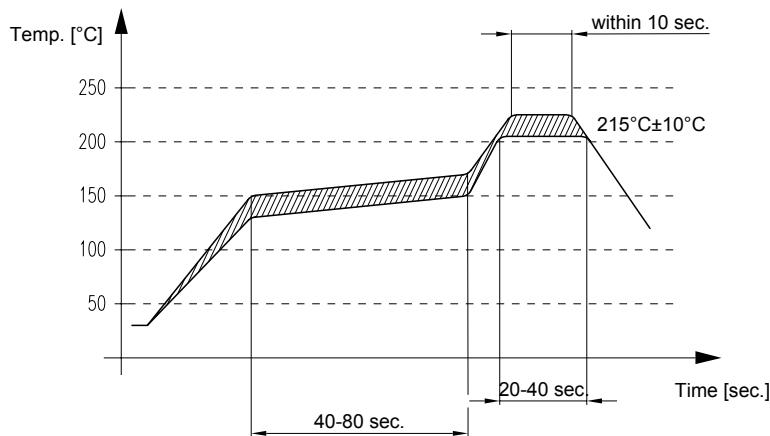
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Microwave Ceramics and Modules
2-Pole Filter for IMT 2000 / UMTS / W-CDMA RX
Product type
B69812N2147A360
Preliminary datasheet
Processing information
ZNr.: 478 (FILT95_2)

- Wettability to IEC 68-2-58: $\geq 75\%$ (after aging)

Soldering requirements

Soldering type	reflow	
Maximum soldering temperature (measuring point on top surface of the component)	235 (max. 2 sec.) 225 (max. 10 sec.)	°C °C

Recommended soldering conditions (infrared):

LOETPROF.DOC
Delivery mode

- Blister tape to IEC 286-3, PS, grey
- Pieces/tape: t.b.d.

t.b.d.

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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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