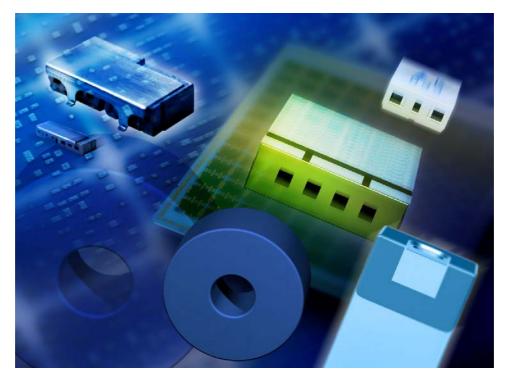


Filter

2-Pole Filter for W-CDMA

B69812N2147A360

Preliminary Data Sheet



Features

- SMD filter consisting of coupled resonators with stepped impedances
- (NdBa)TiO₃ (ε_{Γ} = 88 / 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

Index

- Page 2 Component drawing
 - Recommended footprint, Marking
- Page 3 Characteristics
 - Maximum ratings
 - Typical passband characteristic
- Page 4
 - Processing information
 - Soldering requirements
 - Delivery mode

ISSUE DATE 28.06.04 ISSUE P4 PUBLISHER SAW MWC PD PAGE 1/4
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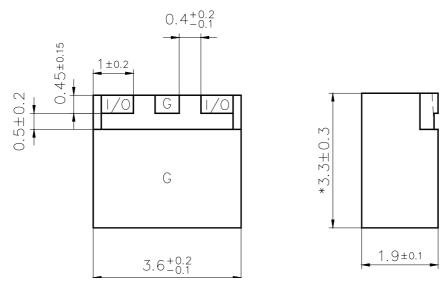
Filter

2-Pole Filter for W-CDMA

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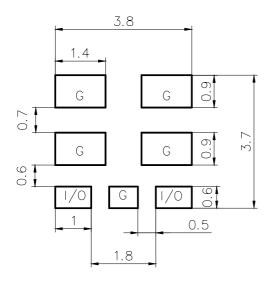
Preliminary Data Sheet

Component drawing



View from below onto the solder terminals and view from beside

Recommended footprint



Marking



y= calendar year w= calendar week

e.g.: 427= calendar year 2004,

calendar week 27

ISSUE DATE 28.06.04 ISSUE	P4	PUBLISHER	SAW MWC PD	PAGE	2/4	
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B69812N2147A360

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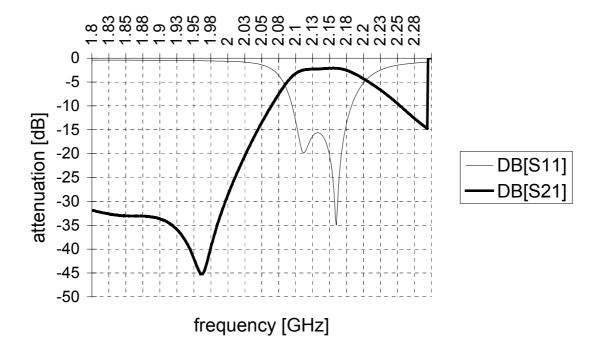
Characteristics

			min.	typ.	max.	
Center frequency		f _C	-	2140	-	MHz
Insertion loss		α_{IL}		1.5	2.0	dB
Passband		В	60			MHz
Amplitude ripple (pe	ak - 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	$T_{\sf op}$	-40 / +85	°C

Typical passband characteristic



ISSUE DATE 28.06.04 ISSUE P4 PUBLISHER SAW MWC PD PAGE
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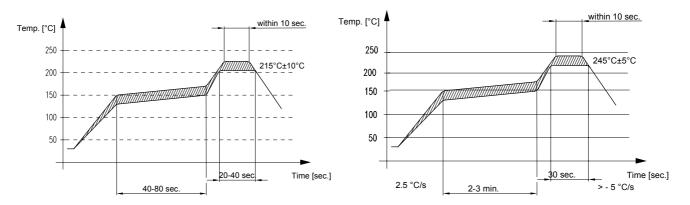
Processing information

Wettability 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)	235 (max. 2 sec.) 225 (max. 10 sec.)	260 (max. 2 sec.) 250 (max. 10 sec.)	°C °C

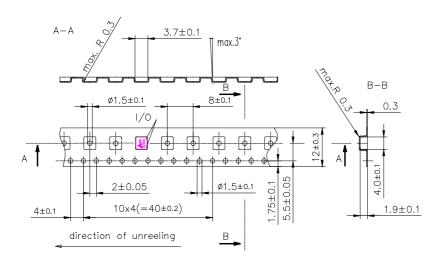
Recommended soldering conditions (infrared):



Delivery mode

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

• Pieces/tape: 3000



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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.

ISSUE DATE 28.	3.06.04 ISSUE	P4 PUBLISHER	SAW MWC PD	PAGE	4/4	
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