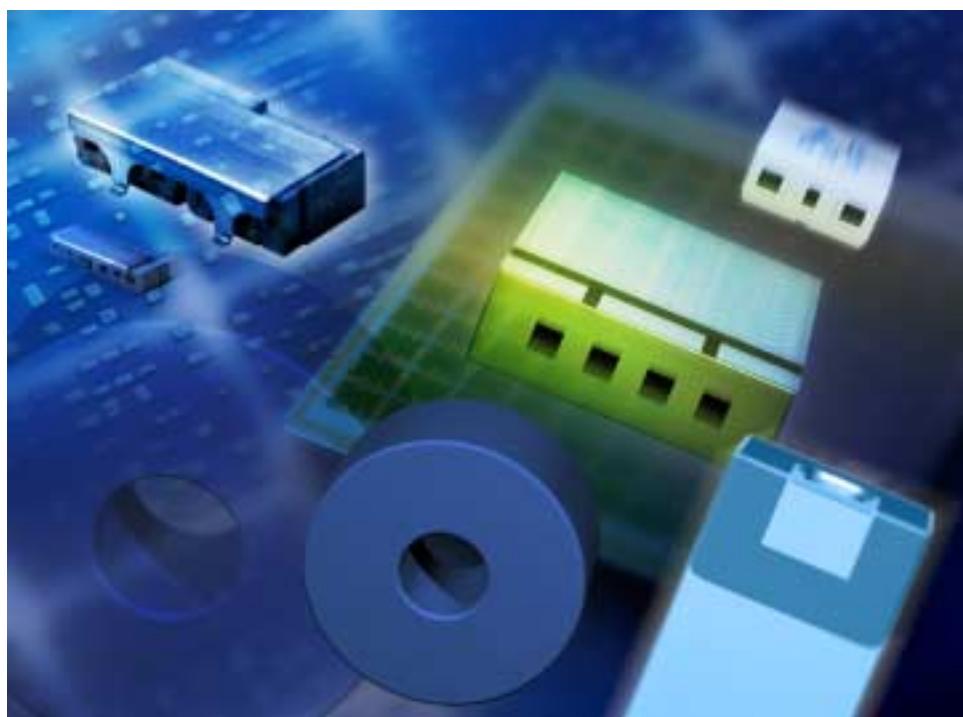


**Preliminary data**

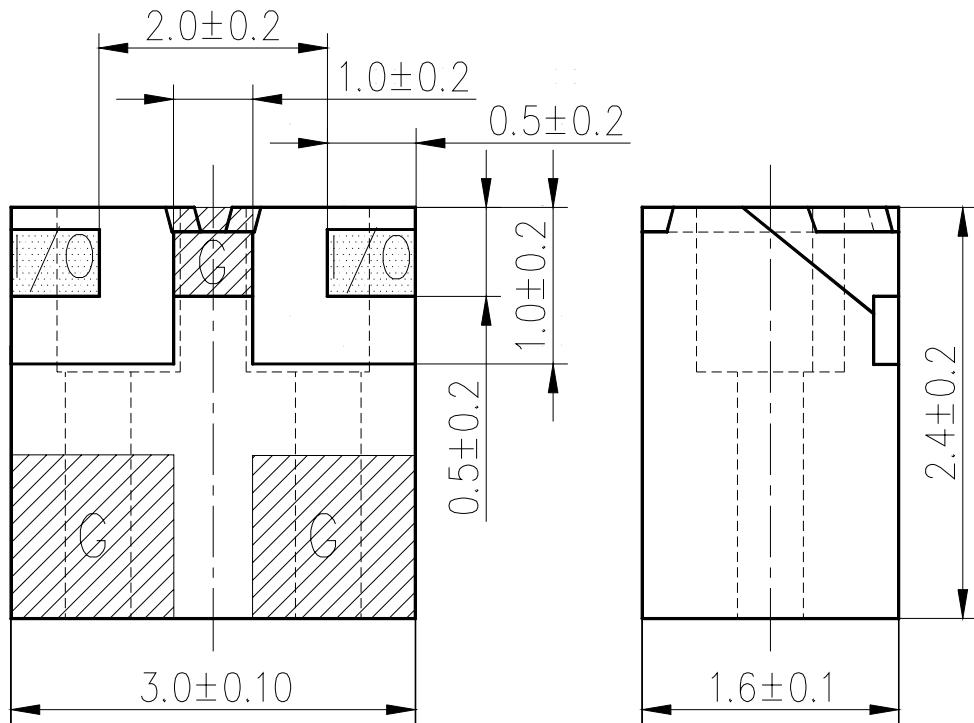


**Features**

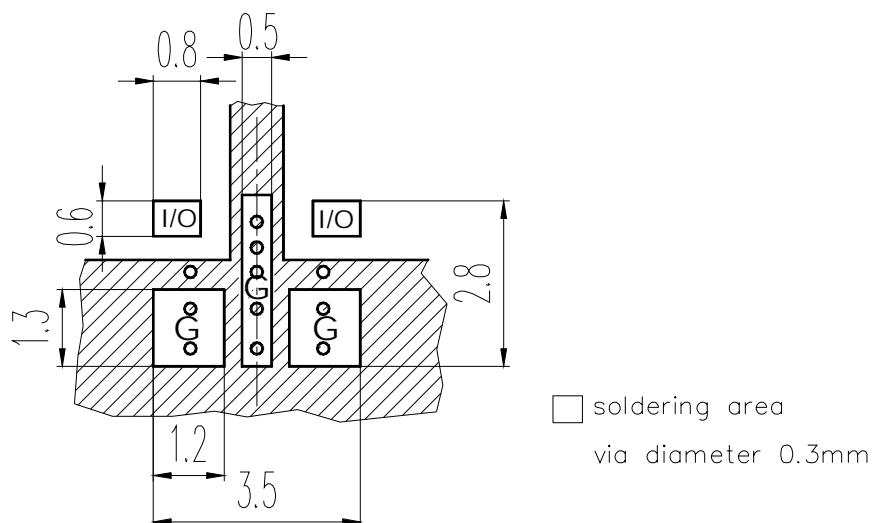
- SMD filter consisting of coupled resonators with stepped impedances
- $\text{MgTiO}_3\text{-CaTiO}_3$  ( $\epsilon_r = 21$  /  $TC_f = 0 \pm 10 \text{ ppm/K}$ ) with a coating of copper ( $10\mu\text{m}$ ) and tin ( $>5\mu\text{m}$ )
- Excellent reflow solderability, no migration effect due to copper/tin metallization

**Index**

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**Preliminary data**
**Component drawing**


S2H11\_010601.DWG→WMF

**Recommended footprint**


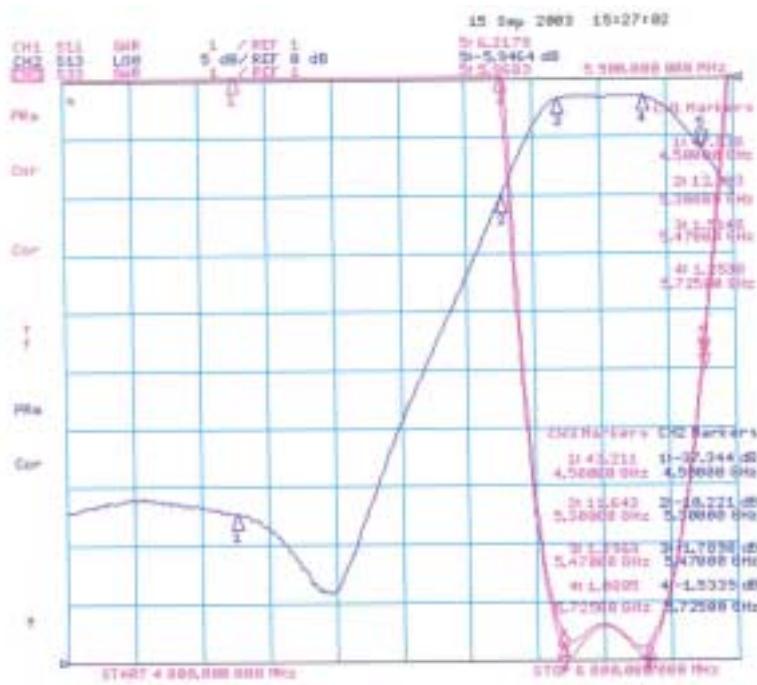
FOOTPR\_240502.DWG→WMF

**Microwave Ceramics and Modules**
**Filter**
**Filter for WLAN [5470-5725] MHz**
**B69842N5597A255**
**Preliminary data**
**Characteristics**

		<b>min.</b>	<b>typ.</b>	<b>max.</b>	
Center frequency	$f_c$	-	5597.5	-	MHz
Insertion loss	$\alpha_{IL}$		1.3	1.6	dB
Passband	$B$	255			MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$				dB
Standing wave ratio	$SWR$		1.5	2.0	
Impedance	$Z$		50		$\Omega$
Power	$P$			1.0	W
Attenuation	$\alpha$				
at DC to 4500 MHz		35	40		dB
at 5300 MHz		8			dB
at 5900 MHz		5			dB

**Maximum ratings**

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

**Typical passband characteristic**


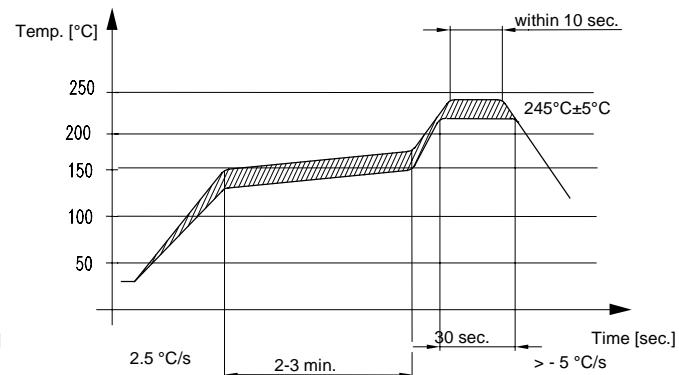
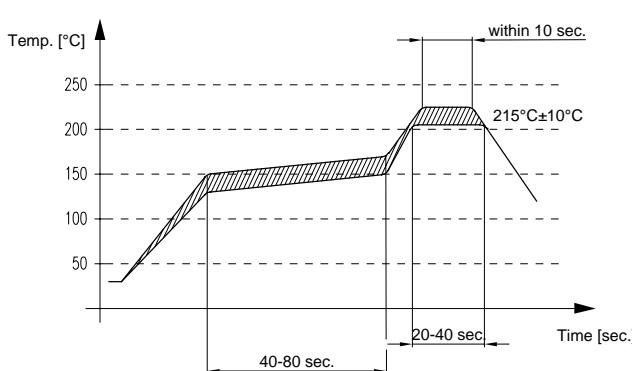
**Preliminary data**
**Processing information**

ZNr.: 577 (FILT95\_2)

- Wettability to IEC 68-2-58:  $\geq 75\%$  (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: 4000

**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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