

[查询"B9035"供应商](#)



## SAW Components

### SAW Rx Filter

GSM 850

**Series/Type:**

**B9035**

**Ordering code:**

**B39881-B9035-E610**

**Date:**

Dec 06, 2005

**Version:**

2.0

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## SAW Components

B9035

### Low-Loss Filter for Mobile Communication

881.5 MHz

#### Data Sheet



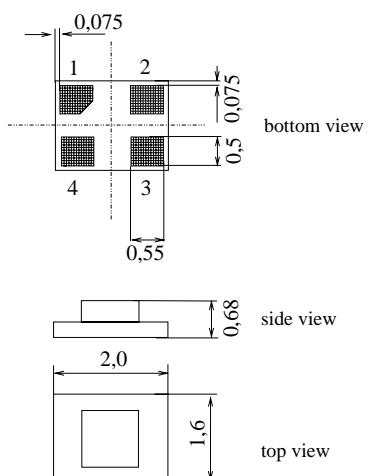
#### Application

- Low-loss RF filter for mobile telephone  
Cellular systems, CDMA and W-CDMA  
receive path (Rx)
- Very high Tx suppression
- For operation in Rx diversity path
- Usable passband 25 MHz
- Unbalanced operation
- Impedance 50 Ω input and output



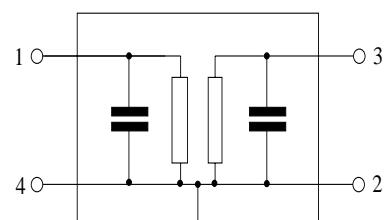
#### Features

- Package size 2.0 x 1.6 x 0.68 mm<sup>3</sup>
- RoHS compliant
- Approx. weight 0.007 g
- Package for **Surface Mount Technology (SMT)**
- Ni, gold-plated terminals



#### Pin configuration

- 1 Input, unbalanced
- 3 Output, unbalanced
- 2,4 To be grounded





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**Characteristics**

Operating temperature range:  $T = -30$  to  $+85$  °C

Terminating source impedance:  $Z_S = 50\Omega$

Terminating load impedance:  $Z_L = 50\Omega$

			<b>B9035</b>		
			<b>min.</b>	<b>typ. @ 25°C</b>	<b>max.</b>
<b>Center frequency</b>	$f_C$		—	881.5	—
<b>Maximum insertion attenuation</b>	$\alpha_{max}$		—	2.1	2.5
869.0 ... 894.0 MHz			—	0.7	1.2
<b>Amplitude ripple (p-p)</b>	$\Delta\alpha$		—	1.7	2.0
869.0 ... 894.0 MHz			—	1.7	2.0
<b>Input VSWR</b>			—	1.7	2.0
869.0 ... 894.0 MHz			—	1.7	2.0
<b>Output VSWR</b>			—	1.7	2.0
869.0 ... 894.0 MHz			—	1.7	2.0
<b>Attenuation</b>	$\alpha$				
0.3 ... 824.0 MHz		46	53	—	dB
824.0 ... 849.0 MHz		46	53	—	dB
914.0 ... 950.0 MHz		20	30	—	dB
950.0 ... 1500.0 MHz		46	60	—	dB
1500.0 ... 2200.0 MHz		46	56	—	dB
2200.0 ... 3000.0 MHz		30	41	—	dB
3000.0 ... 4500.0 MHz		20	30	—	dB
4500.0 ... 6000.0 MHz		15	20	—	dB

**Maximum ratings**

Operable temperature range	$T$	-30/+85	°C	
Storage temperature range	$T_{stg}$	-40/+85	°C	
DC voltage	$V_{DC}$	5	V	
ESD voltage	$V_{ESD}$	100 <sup>1)</sup>	V	machine model, 10 pulses
Input Power	$P_{IN}$	15	dBm	

<sup>1)</sup> acc. to JESD22-A115A (machine model), 10 negative & 10 positive pulses.



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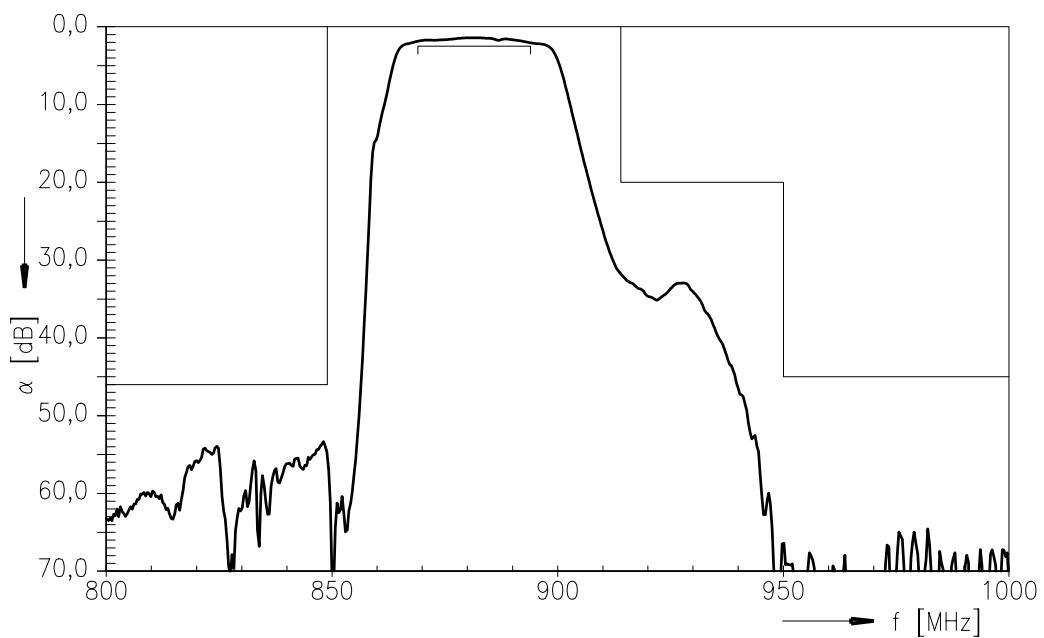
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881.5 MHz

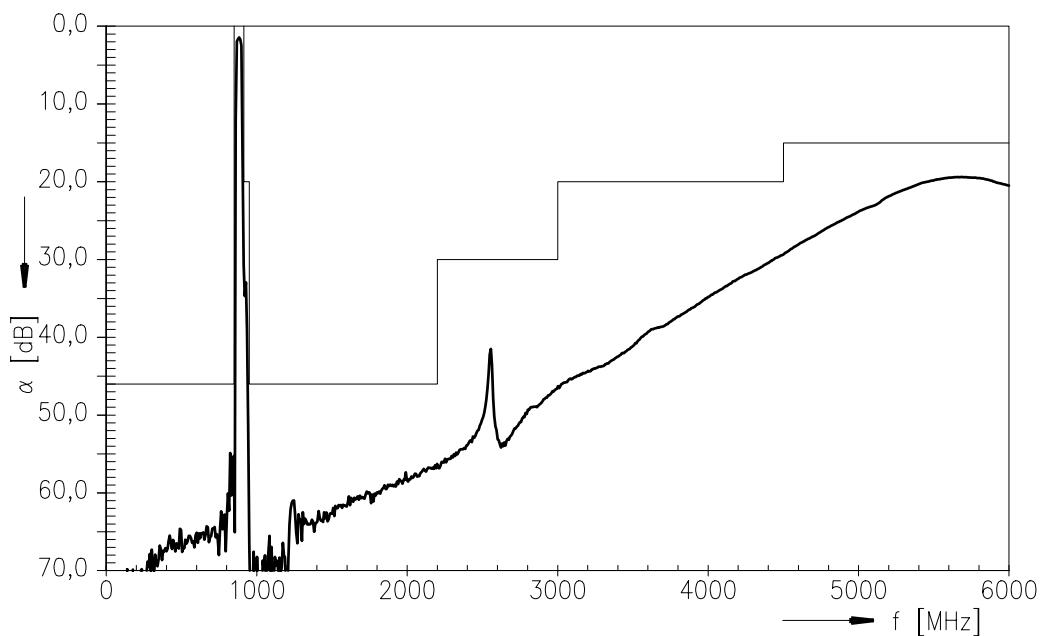
Data Sheet



Transfer function



Transfer function





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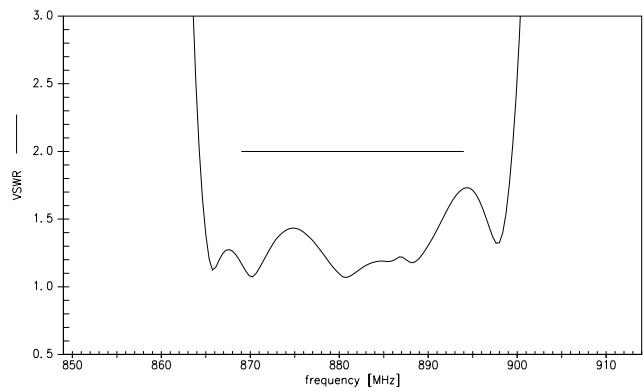
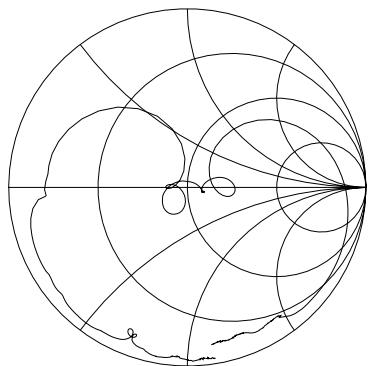
**881.5 MHz**

**Data Sheet**

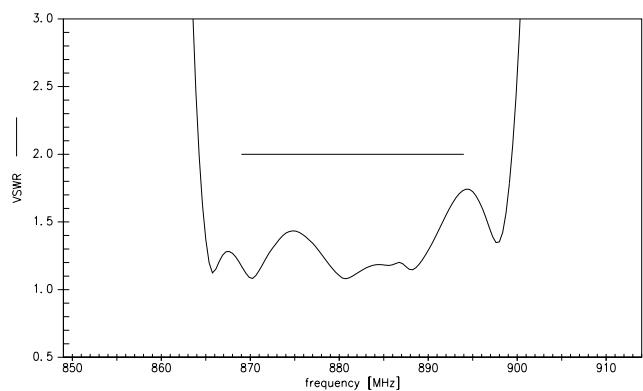
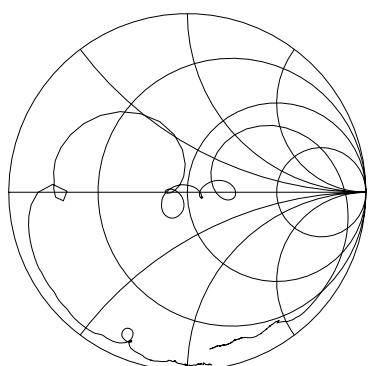


**Smith chart / VSWR**

**$S_{11}$  function**



**$S_{22}$  function**





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<b>Type</b>	B9035	
<b>Ordering code</b>	B39881-B9035-E610	
<b>Marking and Package</b>	C61157-A7-A113	
<b>Packaging</b>	F61074-V8152-Z000	
<b>Date Codes</b>	L_1126	
<b>S-Parameters</b>	B9035_NB.s3p B9035_WB.s3p	
<b>Soldering profile</b>	S_6001	

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