



# SAW Filters for Infrastructure Systems

## Series/Type: **B3662**

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B39331B3662Z510		2008-02-07	2008-07-31	2008-10-31

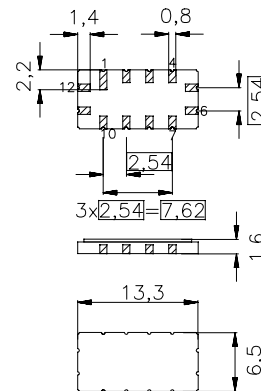
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**SAW Components**
**B3662**
**Low-Loss Filter**
**333,0 MHz**
**Data Sheet**
**Features**

- IF filter for WLL
- Ceramic SMD package
- Low insertion attenuation

 Ceramic package **QCC12**
**Terminals**

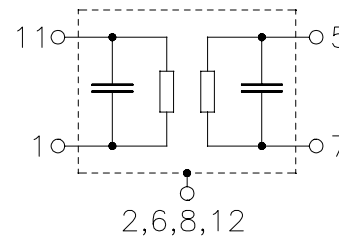
- Gold plated



Dimens. in mm, approx. weight 0,4 g

**Pin configuration**

11	Input
5	Output
1	Input ground
7	Output ground
3, 4, 9, 10	Ground
2, 6, 8, 12	Case ground



Type	Ordering code	Marking and Package according to	Packing according to
B3662	B39331-B3662-Z510	C61157-A7-A55	F61074-V8026-Z000

**Electrostatic Sensitive Device (ESD)**
**Maximum ratings**

Operable temperature range	$T_A$	-40 / +85	°C
Storage temperature range	$T_{stg}$	-45 / +85	°C
DC voltage	$V_{DC}$	0	V
Source power	$P_s$	10	dBm

**SAW Components**
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**Low-Loss Filter**
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**Data Sheet**
**Characteristics**

Operating temperature:

$T_A = -45 \dots +85 \text{ }^\circ\text{C}$

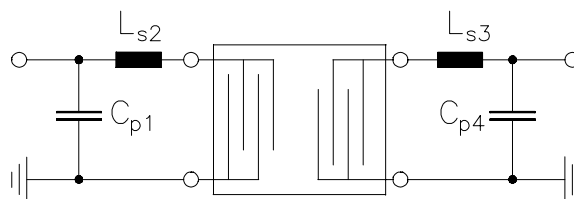
Terminating source impedance:

$Z_S = 50 \text{ } \Omega \text{ and matching network}$

Terminating load impedance:

$Z_L = 50 \text{ } \Omega \text{ and matching network}$

		min.	typ.	max.	
<b>Center frequency</b>	$f_C$	332,88	333,04	333,12	MHz
<b>Minimum insertion attenuation</b>	$\alpha_{\min}$	—	7,5	9,0	dB
<b>Passband width</b>					
$\alpha_{\text{rel}} \leq 3,0 \text{ dB}$	$B_{3,0\text{dB}}$	0,62	0,66	—	MHz
$\alpha_{\text{rel}} \leq 20,0 \text{ dB}$	$B_{20\text{dB}}$	—	1,42	1,5	MHz
$\alpha_{\text{rel}} \leq 30,0 \text{ dB}$	$B_{30\text{dB}}$	—	1,65	1,7	MHz
$\alpha_{\text{rel}} \leq 40,0 \text{ dB}$	$B_{40\text{dB}}$	—	1,83	1,9	MHz
$\alpha_{\text{rel}} \leq 50,0 \text{ dB}$	$B_{50\text{dB}}$	—	5,0	6,0	MHz
<b>Group delay ripple (p-p)</b>	$\Delta\tau$				
332,72 ... 333,25 MHz		—	400	500	ns
332,69 ... 333,31 MHz		—	400	650	ns
<b>Triple Transit Suppression</b>		30	31	—	dB

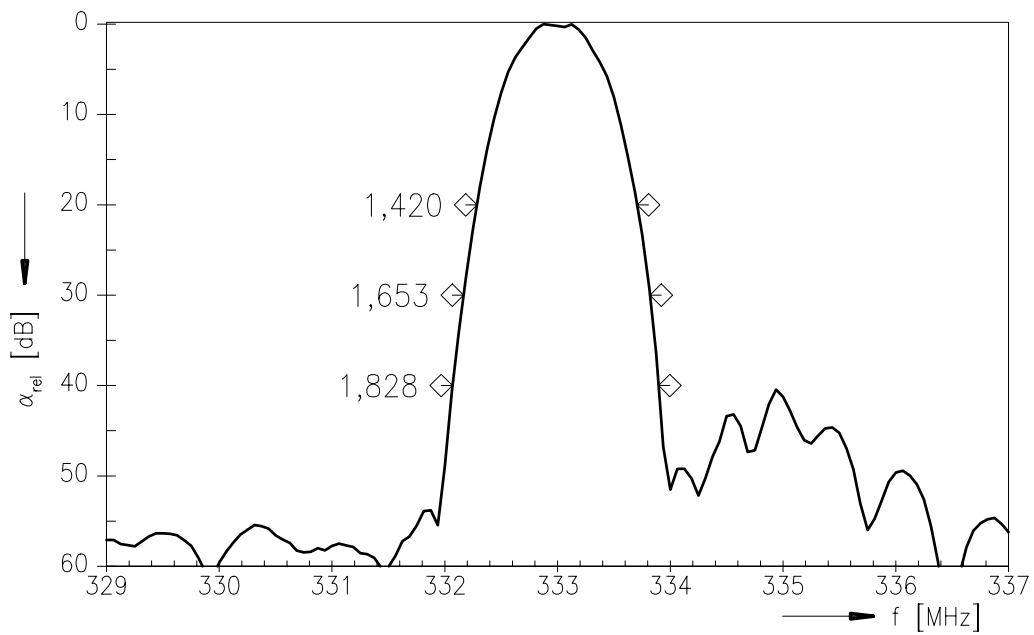
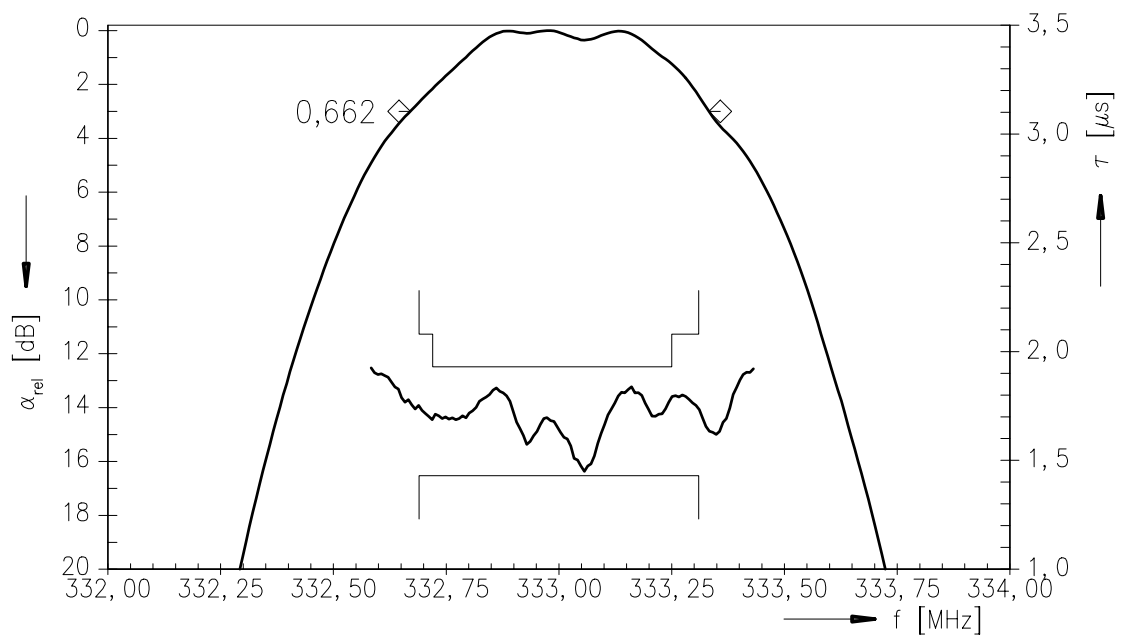
**Data Sheet**
**Matching network** (element values may depend on pcb layout)


$$C_{p1} = 15 \text{ pF}$$

$$L_{s2} = 18 \text{ nH}$$

$$L_{s3} = 12 \text{ nH}$$

$$C_{p4} = 18 \text{ pF}$$

**Data Sheet**
**Transfer function:**

**Transfer function (pass band):**


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