

SAW Components

Data Sheet B4955





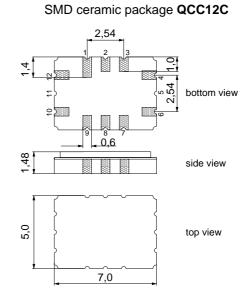
SAW Components	B4955		
Low-Loss Filter for Mobile Communication		183,6 MHz	
Data Sheet	SMD		

Features

- IF filter for mobile telephone
- Channel selection in CDMA systems
- Balanced or unbalanced
- High rejection, very small size
- Low amplitude ripple
- Package for Surface Mounted Technology (SMT)
- Filter surface passivated

Terminals

Ni, gold plated



Dimensions in mm, approx. weight 0,25 g

Pin configurat	ion	
12	Input	
10	Balanced input or ground	
6	Output	
4	Balanced output or ground	
1, 2, 3, 7, 8, 9	To be grounded	•
		2,8

Туре	Ordering code	Marking and Package	Packing
		according to	according to
B4955	B39181-B4955-H310	C61157-A7-A95	F61074-V8170-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	Т	- 40/+ 85	°C
Storage temperature range	T _{stq}	- 40/+ 85	°C
DC voltage	V _{DC}	0	V
Source power	Ps	10	dBm

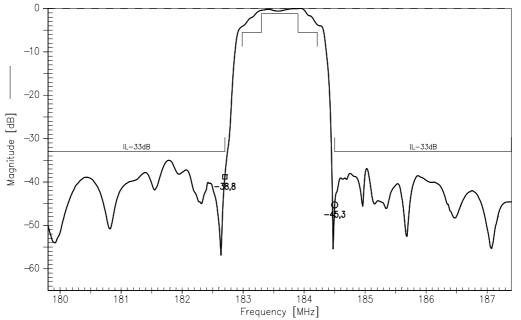


SAW Components				B4955	
Low-Loss Filter for Mobile Communication				183,6 MHz	
Data Sheet SMD					
Characteristics					
Specified temperature range: $T = -30^{\circ}$ C +85 °CTerminating source impedance: $Z_{S} = 300\Omega \parallel 44$ nHTerminating load impedance: $Z_{L} = 675\Omega \parallel 54$ nH					
	min.	typ.	max.		
Nominal frequency f _N	—	183,6	—	MHz	
$\begin{array}{l} \mbox{Minimum insertion attenuation} & \alpha_{min} \\ \mbox{(including loss in matching network without loss in balun)} \end{array}$	_	8,1	9,5	dB	
Amplitude ripple $\Delta \alpha$ $f_{\rm N} = 0,3$ MHz $f_{\rm N} = 0,3$ MHz	_	0,6	1,2	dB	
Phase linearity (rms deviation) $f_{\rm N} - 0,615$ MHz $f_{\rm N} + 0,615$ MHz	_	1,3	2,8	o	
Relative attenuation (relative to α_{min}) α_{rel} $f_{N} \pm 0.615 MHz$	_	4,0	5,5	dB	
$\begin{array}{llllllllllllllllllllllllllllllllllll$	33 33 33 33 33 33 33 33 33 33 33	39 45 44 39 37 43 42 35 37		dB dB dB dB dB dB dB dB dB dB	

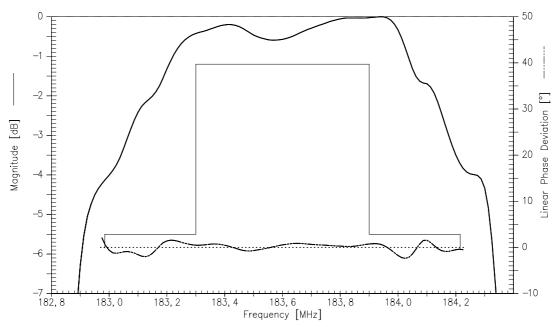




Normalized transfer function (measurement):



Normalized transfer function (measurement, passband):



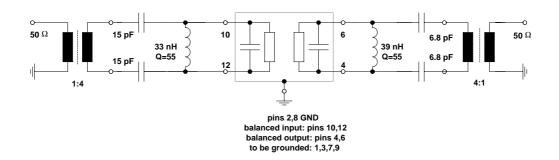
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		183,6 MHz		
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Test matching network

(Element values depend on pcb layout)



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