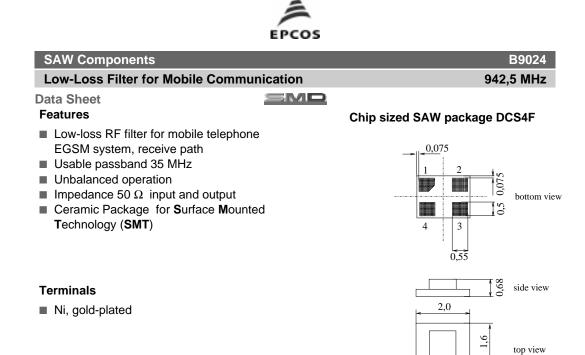


SAW Components

Data Sheet B9024

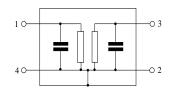




Dimensions in mm, approx. weight 6 mg

Pin configuration

1	Input, unbalanced
3	Output, unbalanced
2,4	Case ground



Туре	Ordering code	Marking and Package	Packing
		according to	according to
B9024	B39941-B9024-E610	C61157-A7-A113	F61074-V8152-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	Т	- 30 / + 85	°C	
Storage temperature range	T _{stg}	- 40 / + 85	°C	
DC voltage	V _{DC}	3	V	
ESD voltage	V_{ESD}^{*}	100*	V	machine model, 10 pulses
Input power at	PIN	15	dBm	peak power of GSM signal,
GSM850, GSM900				duty cycle 4:8
GSM1800 and GSM1900				
Tx bands				

2

* acc. to JESD22-A115A (Machine Model), 10 negative & 10 positive pulses



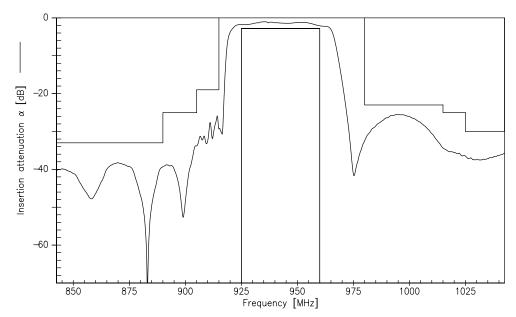
SAW Components B9024					B9024
Low-Loss Filter for Mobile Commun			942	,5 MHz	
Data Sheet	SMD				
Characteristics					
Operating temperature:					
Terminating source impedance:	$Z_{\rm S} = 50 \Omega$				
Terminating load impedance:	$Z_{\rm L} = 50 \ \Omega$				
		min.	typ. (25 °C)	max.	I
Center frequency	f _C		942,5	—	MHz
Maximum insertion attenuation	$\alpha_{\sf max}$				
925,0 960,0	MHz	_	1,9	2,5	dB
Amplitude ripple (p-p)	Δα			4.5	
925,0 960,0	MHz		0,9	1,5	dB
Input VSWR					
925,0 960,0	MHz	_	2,1	2,4	
Output VSWR 925,0 960,0	MHz	_	2,2	2,4	
923,0 900,0			2,2	2,4	
Attenuation	α				
0,0 890,0	MHz	33	38	_	dB
890,0 905,0	MHz	25	31	—	dB
905,0 915,0	MHz	19	26	_	dB
980,01015,0	MHz	23	25	_	dB
1015,01025,0	MHz	25	32	—	dB
1025,02500,0	MHz	30	35	—	dB
2500,06000,0	MHz	30	42		dB



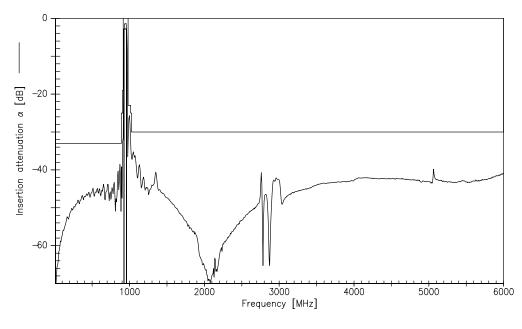
SAW Components					B9024
Low-Loss Filter for Mobile Commun			942	,5 MHz	
Data Sheet	<u>SMD</u>				
Characteristics					
Operating temperature:	T = −30 +85 °C				
Terminating source impedance:	$Z_{\rm S} = 50 \Omega$				
Terminating load impedance:	$Z_{\rm L} = 50 \Omega$	2			
		min.	typ. (25 °C)	max.	
Center frequency	f _C	_	942,5		MHz
Maximum insertion attenuation	α_{max}				
925,0 960,0	MHz	_	1,9	2,8	dB
Amplitude ripple (p-p)	Δα				
925,0 960,0	MHz	_	0,9	1,8	dB
020,0 000,0			0,0	1,0	40
Input VSWR					
925,0 960,0	MHz	-	2,1	2,4	
Output VSWR					
925,0 960,0	MHz	_	2,2	2,4	
Attenuation	α				
0,0 890,0	MHz	33	38	_	dB
890,0 905,0	MHz	25	31	—	dB
905,0 915,0	MHz	19	26	—	dB
980,01015,0	MHz	23	25	—	dB
1015,01025,0	MHz	25	32	_	dB
1025,02500,0		30	35	—	dB
2500,06000,0	MHz	30	42	—	dB



Transfer function (measurement)



Transfer function (wideband measurement)



	ÉPCOS	
SAW Components		B9024
Low-Loss Filter for Mobile Communication		942,5 MHz
Data Sheet	SMD	

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