



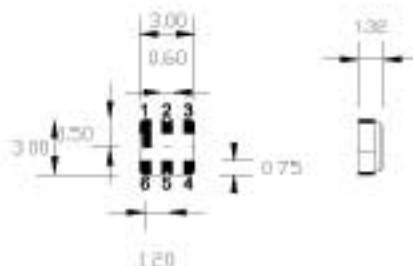
947.5 MHz

Low Loss Filter for Mobile Communication

Features

- Low-loss RF filter for mobile telephone GSM system, receive path
- Usable passband : 25 MHz
- No matching network required for operation
At 50 Ω
- Small Sizes

Ceramic package SMD 3x3



BOTTOM VIEW

Pin Configuration



Maximum Ratings

Rating	Value	Units
Input power max.	15	dBm
DC voltage	0	V
Operating Temperature Range	-25 / +75	°C
Storage Temperature Range	-40 / +85	°C

Electrostatic Sensitive Device (ESD)

Ordering code	Part symbol	Marking
SPK 947D50-R1		

Electrical Characteristics

Characteristic	Sym	Min.	Typ.	Max.	Units
Ambient temperature	Ta = 25 ± 2 °C				
Source impedance	Zs = 50 Ω				
Load impedance	ZL = 50 Ω				
Center frequency	fc	—	947.5	—	MHz
Insertion Loss	IL	—	2.4	4.0	dB
935.0 ... 960.0 MHz					
Amplitude ripple (p-p)			0.8	1.2	dB
935.0 ... 960.0 MHz					
Input VSWR		—		2.6	
935.0 ... 960.0 MHz					
Output VSWR		—		2.6	
935.0 ... 960.0 MHz					
Attenuation		—		—	
10.0 .. 800.0 MHz		25.0	25.0	—	
800.0 .. 905.0 MHz		20.0	20.0	—	
905.0 .. 915.0 MHz		20.0	20.0	—	
980.0 .. 1025.0 MHz		25.0	25.0	—	
1025.0 .. 1600.0 MHz		25.0	25.0	—	
1600.0 .. 2000.0 MHz		25.0	25.0	—	
2000.0 .. 3000.0 MHz		25.0	25.0	—	

Preliminary format of data sheet

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Web Site : <http://www.spkecl.com>

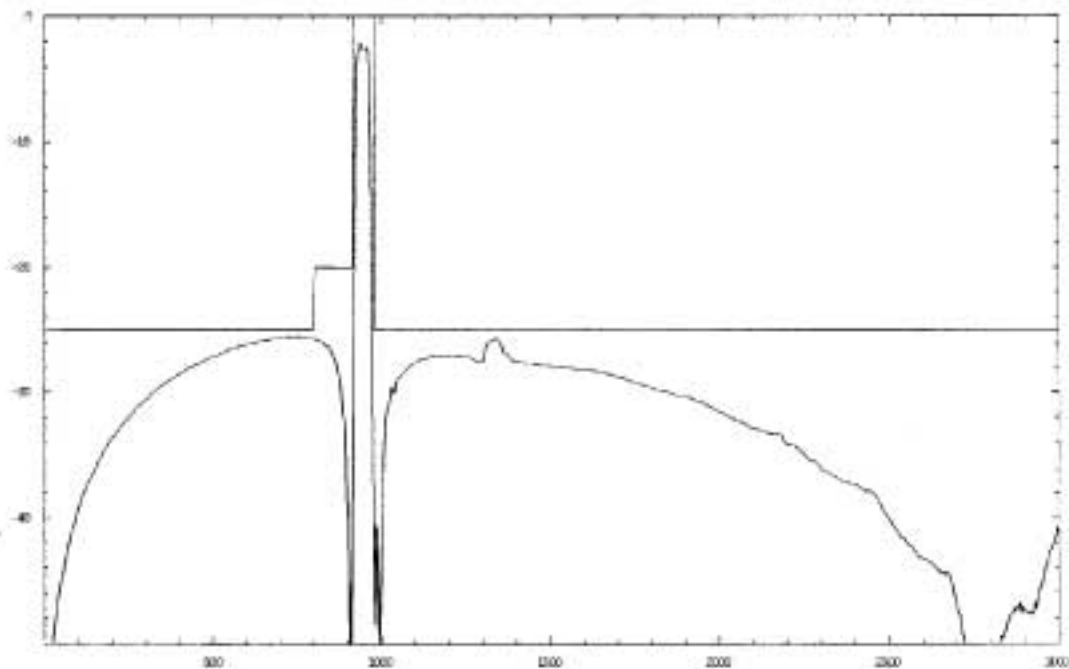
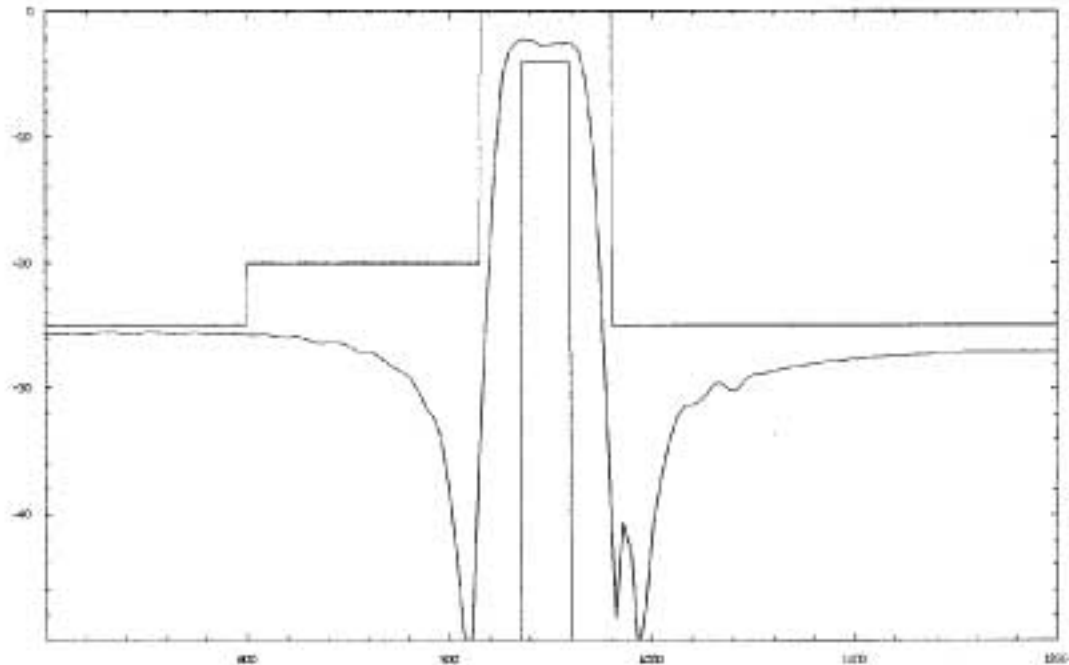
兆福企業有限公司

台北市忠孝東路五段 510 號 10 樓
(家美國際金融大樓)

TEL: 886-2-2346-2323

FAX: 886-2-2346-3939

Transfer function (spec for 25°C)



APR 09, 2002



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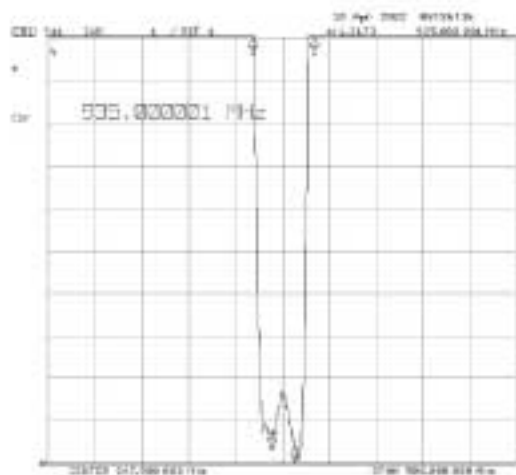
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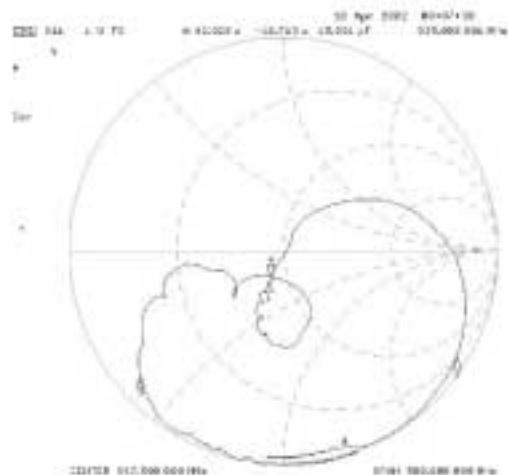
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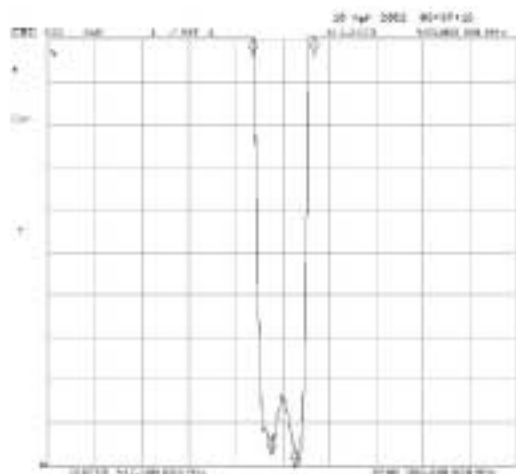
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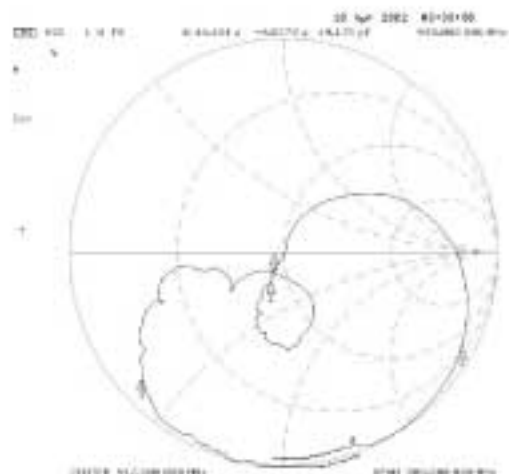
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