



# PRODUCT SPECIFICATION

REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
864-RF881.5M-H	CDMA, Balanced RF-Rx SAW Filter

## Specification Contents

- o Mechanical Dimensions
- o Test Circuit
- o Maximum Ratings
- o Electrical Specification
- o Frequency Performance
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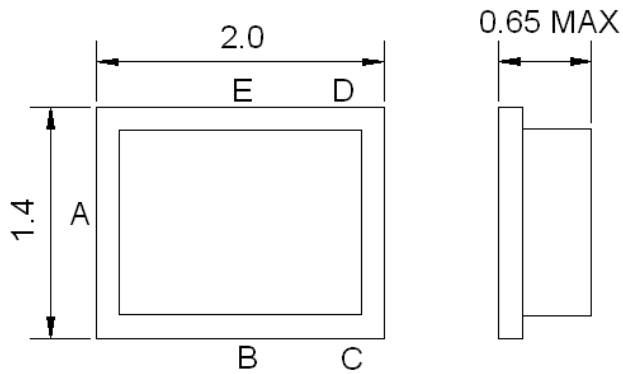
## Notes

- o Electrostatic Sensitive Device (ESD) 
- o Avoid excessive ultrasonic exposure
- o Solderability compatible with JEDEC J-STD-020C Pb-free process, 260°C peak reflow temperature
- o This product complies with EU directive 2002/95/EC (RoHS compliance)

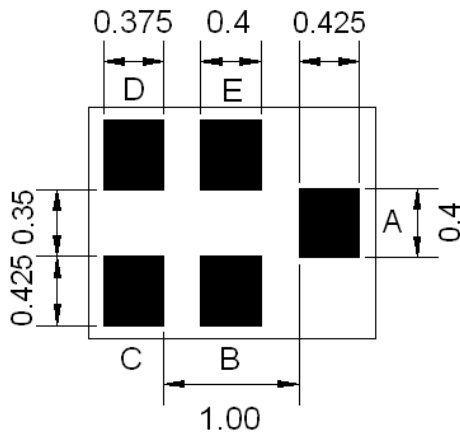




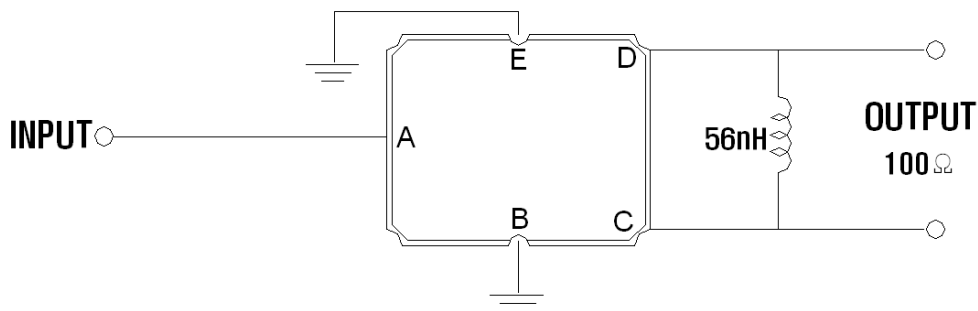
## Mechanical Dimensions (mm)



Pin Description	
B, E	Ground
A	In
C, D	Out



## Test Circuit



**Maximum Ratings**

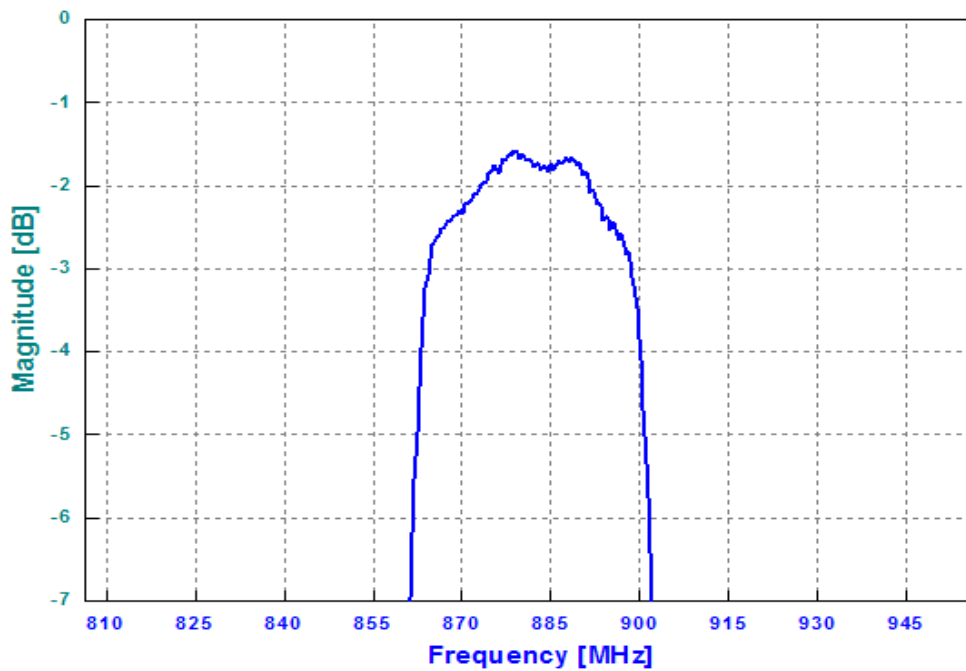
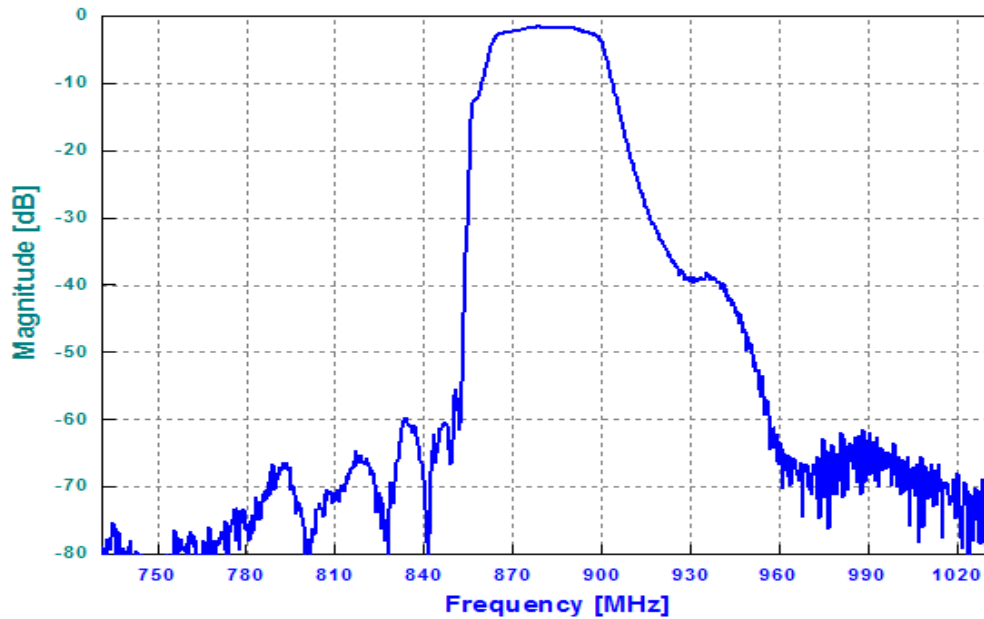
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended)	$\Omega$	-	50	-
Load Impedance (balanced ended)	$\Omega$	-	100/56nH	-

**Electrical Specification**

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	881.5	-
Insertion Loss within 869 ~ 894 MHz	dB	-	2.3	2.9
Amplitude Ripple within 869 ~ 894 MHz	dB <sub>p-p</sub>	-	0.8	1.5
Attenuation:				
DC ~ 824 MHz	dB	50	64	-
824 ~ 849 MHz	dB	45	60	-
915 ~ 960 MHz	dB	23	29	-
960 ~ 6000 MHz	dB	14	18	-
VSWR within 869 ~ 894 MHz	-	-	1.8	2.3
Output Amplitude Balance ( $ S_{31}/S_{21} $ )	dB	-1.0	-	1.0
Output Phase Balance ( $\Phi(S_{31})-\Phi(S_{21})+180^\circ$ )	degree	-5.0	-	5.0

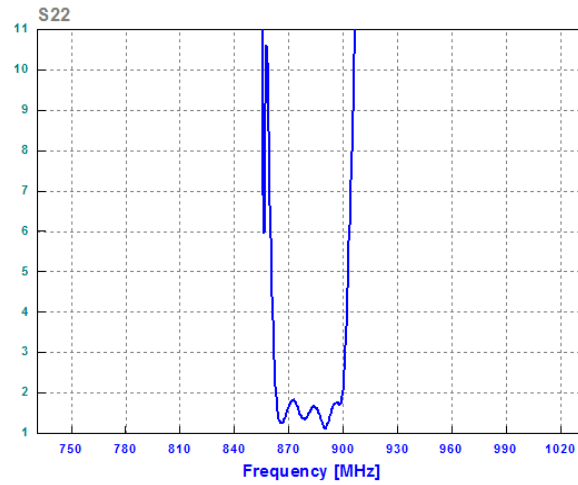
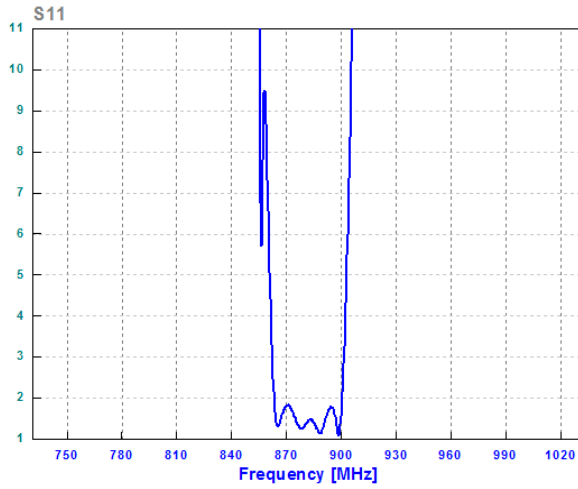


## Frequency Performance





### VSWR



### Smith Chart

