

- LTE 450, Balanced RF-Rx SAW Filter
- Revision 0: October 2013

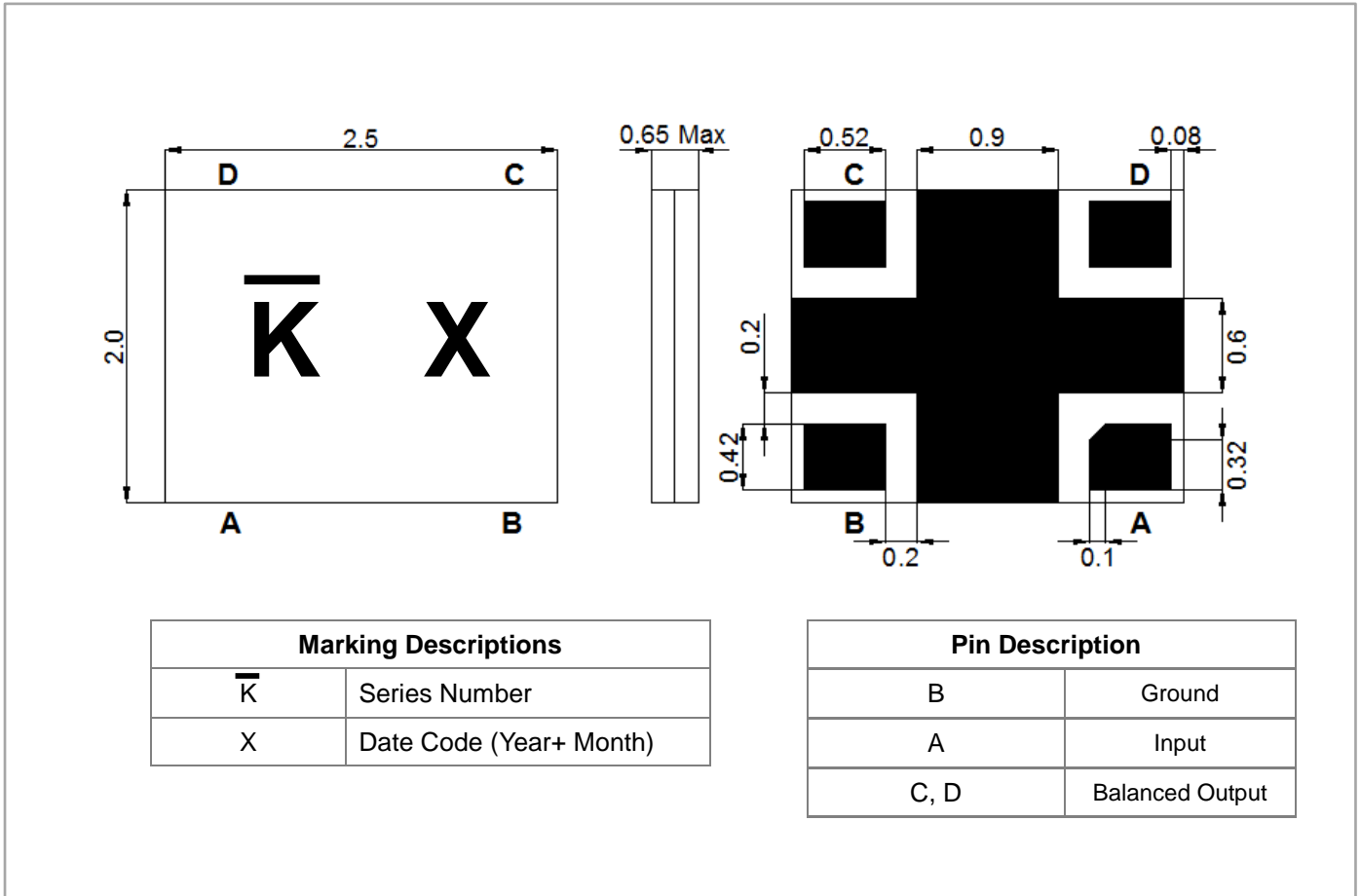
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	27
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (balanced ended) <sup>(1)</sup>	Ω	-	100	-
Package type & size	C55			
Length x Width	mm <sup>2</sup>	-	2.5 x 2.0	-
Height	mm	-	-	0.65

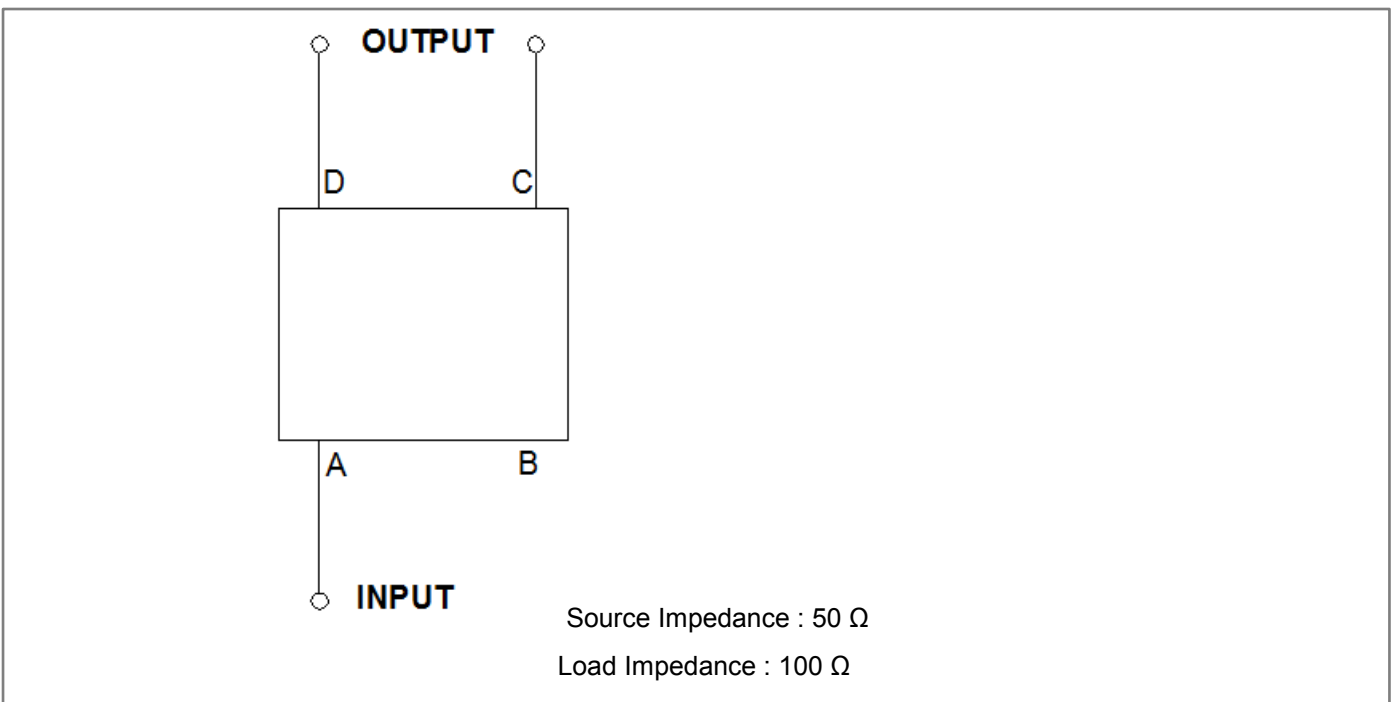
ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	465.0	-
Insertion Loss in 462.75 ~467.25 MHz Avg over full inner 4.5 MHz	dB	-	2.0	2.3
In-Band Ripple within 462.75 ~467.25 MHz	dB <sub>p-p</sub>	-	0.6	1.0
Input Return(Ant. Port) Loss within 462.75 ~467.25 MHz	dB	8	13	-
Output Return Loss(Rx Port) within 462.75 ~ 467.25 MHz	dB	8	10	-
Output amplitude balance within 462.75 ~ 467.25 MHz	dB	-1	-0.5/+0.6	1
Output phase balance within 462.75 ~ 467.25 MHz	degree	-10	-2.0/+6.0	10
Attenuation in Tx band 452.75 ~ 457.25 MHz	dB	43	48	-
<b>Absolute Attenuation:</b>				
10.0 ~ 451.0 MHz	dB	43	47	-
475.0 ~ 480.0 MHz	dB	33	38	-
481.0 ~ 4000.0 MHz	dB	25	32	-

**Notes :** (1) No Matching Network .

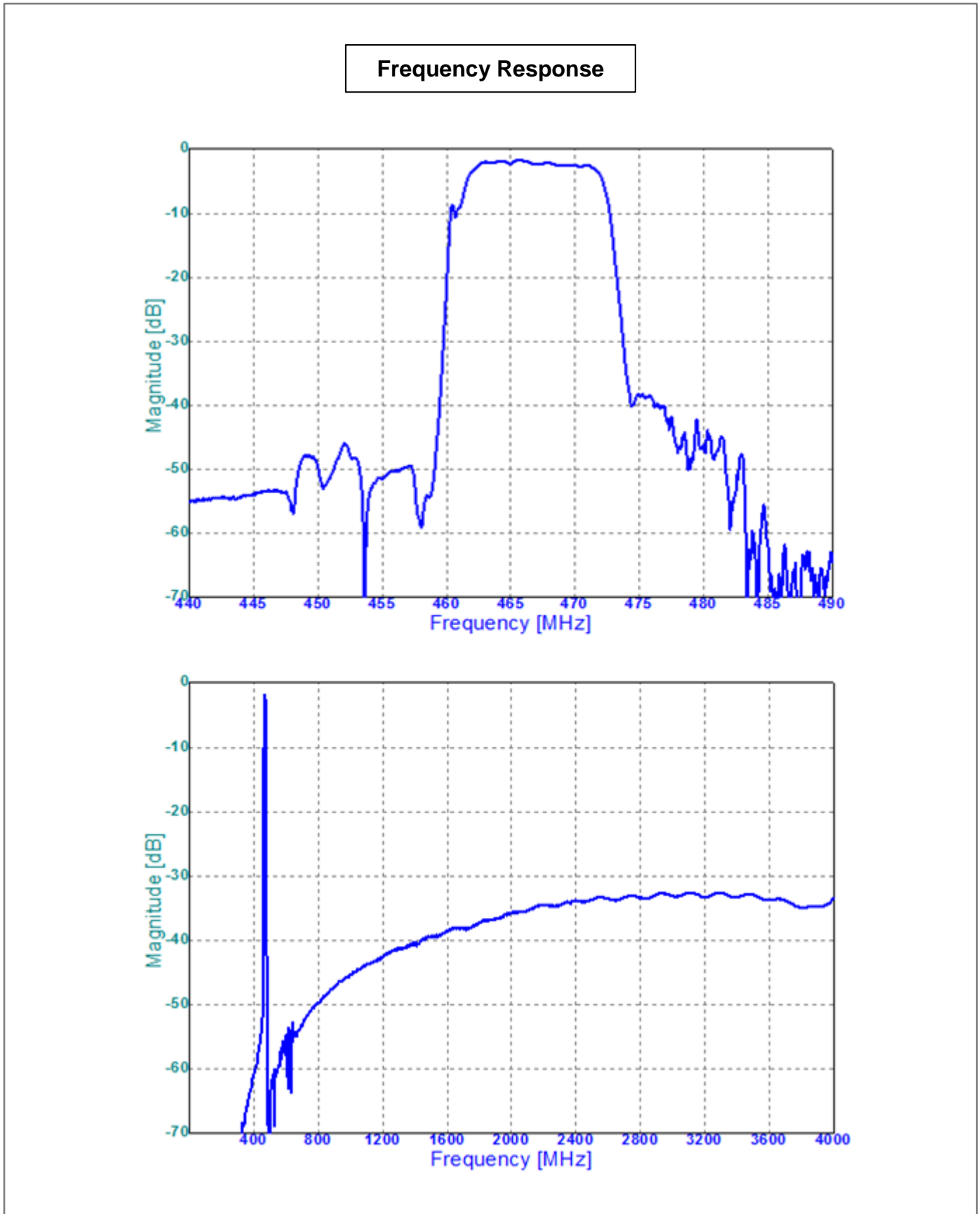
## Package Dimensions



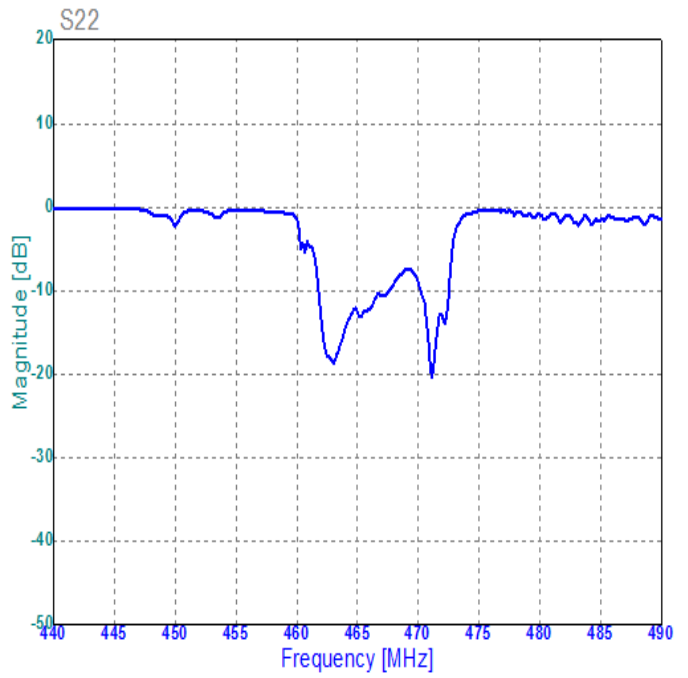
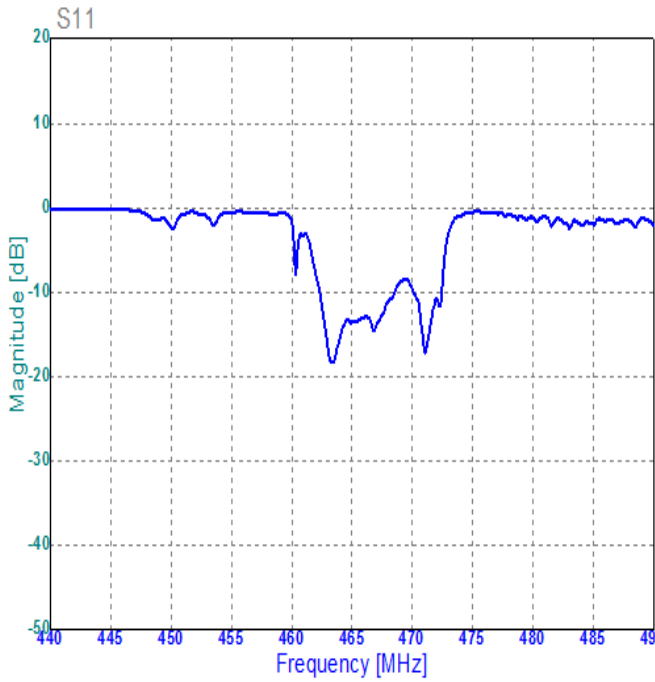
## Testing Environment



**Frequency Characteristics**



**Return Loss**



**Smith Chart**

