

Specification	LF136-06	Rev.: 3	Date: 2018-09-17
Filter type :	2200m Front-End Narrow-Band Filter		

Parameter	min.	typ.	max.	Unit	Condition
Frequency range				kHz	
Standard frequencies	136.750			kHz	Note 2
Pass band (min.)	135.700 ~ 137.800			kHz	@ 3 dB
Pass band ripple			1	dB	
Insertion / transducer attenuation			7	dB	
Shape factor SF		2,7			60 dB / 6 dB
Selectivity					
		±3,0		kHz	@ 40 dB
		±4,5		kHz	@ 60 dB
		±6,5		kHz	@ 80 dB
Spurious response attenuation				dB	
Ultimate attenuation			90	dB	
Termination					
Input		50 // 0		Ω // pF	
Output		50 // 0		Ω // pF	
Group delay				μs	
Out-of-band 3 rd order Intermodulation Intercept Point IP ₃				dBm	
Input Power					
nominal		0,1		mW	
Maximum (for 10 sec)			1	mW	Note 3
Operating temperature range	-10		+60	°C	
Operable temperature range	-20		+70	°C	
Storage temperature range	-40		+85	°C	
Enclosure (see drawing)	90 x 47 x 25			mm	IEC 60368-3 or 61837
Packing	bulk				IEC 60286-3
ESD Sensitivity	1500			V	HBM as in IEC 61000-4-2

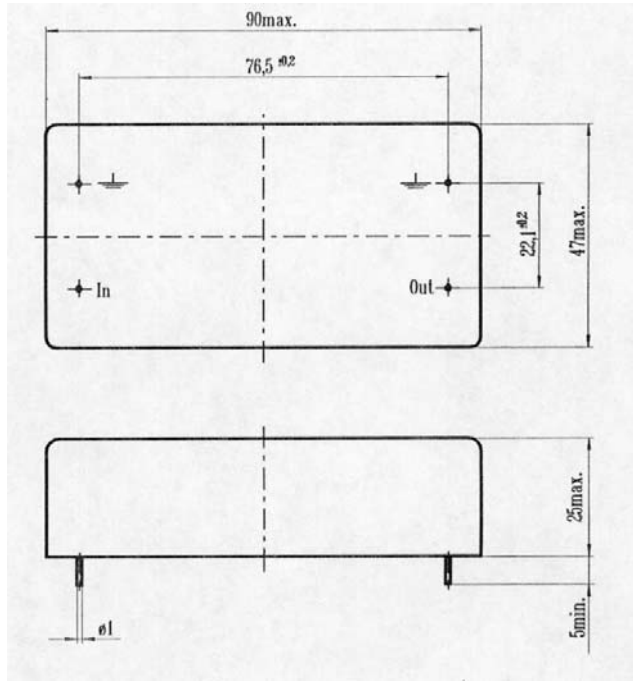
Notes:

1. Terminology and test conditions are according to IEC standard IEC60368-1, unless otherwise stated
2. Other frequencies on request
3. RF input power of >1 mW must be avoided, as it may result in permanent damage of the filter.

Ordering Code:

Model (Specification)	Rev.	Frequency [kHz]
QF136-06	Rev.3	136.750

Enclosure drawing



Pin connections

Pin #	Symbol	Function
1	IN	Input
2	OUT	Output
3	GND	Ground, Case

Environmental conditions

Test	IEC 60068 Part ...	IEC 60386-1 Clause ...	Test conditions
Shock*	2-27	2.3.5	Test Ea, 3 x per axes 100g, 6 ms half-sine pulse
Vibration, sinusoidal*	2-6	2.3.4	Test Fc, 30 min per axes, 10 Hz - 55 Hz 0,75mm; 55 Hz - 2 kHz, 10g

Revision History

Rev.	Date [dd.mm.yyyy]	Remarks	Author	Checked
1	10.12.2002	First issue LF136-06	BN	BN
2	02.01.2017	Editorial changes	BN	BN
3	17.09.2018	Title changed (2200m band), "Discontinued" added	BN	BN