

<b>Specification</b>	<b>QF30-05</b>	Rev.: 1	Date: 2017-01-02
<b>Filter type :</b>	<b>Front End ( Antenna) Crystal Filter</b>		

Parameter	min.	typ.	max.	Unit	Condition
<b>Centre Frequency <math>f_0</math> (range)</b>	28		30	MHz	
<b>Pass bandwidth</b>	$\pm 7,5$			kHz	@ 3 dB
<b>Pass band ripple</b>			1	dB	@ $f_0 \pm 4$ kHz
<b>Insertion / transducer attenuation</b>			4	dB	
<b>Selectivity</b>					
	40			dB	@ $f_0 \pm 40$ kHz
	60			dB	@ $f_0 \pm 60$ kHz
<b>Spurious response attenuation</b>		50		dB	
<b>Ultimate attenuation</b>	60			dB	
<b>Termination</b>					
Input	50 // 0			$\Omega$ // pF	
Output	50 // 0			$\Omega$ // pF	
<b>Group delay</b>				$\mu$ s	
<b>Input Power</b>					
nominal		0,1		mW	
maximum (for 10 sec)			10	mW	Note 2
<b>Operating temperature range</b>	0		+60	$^{\circ}$ C	
<b>Operable temperature range</b>	-20		+70	$^{\circ}$ C	
<b>Storage temperature range</b>	-40		+85	$^{\circ}$ C	
<b>Enclosure (see drawing)</b>	58.2x17.2x14			mm	
<b>Terminals</b>	SMA			female	
<b>Packing</b>	bulk				
<b>ESD Sensitivity</b>	1500			V	HBM as in IEC 61000-4-2

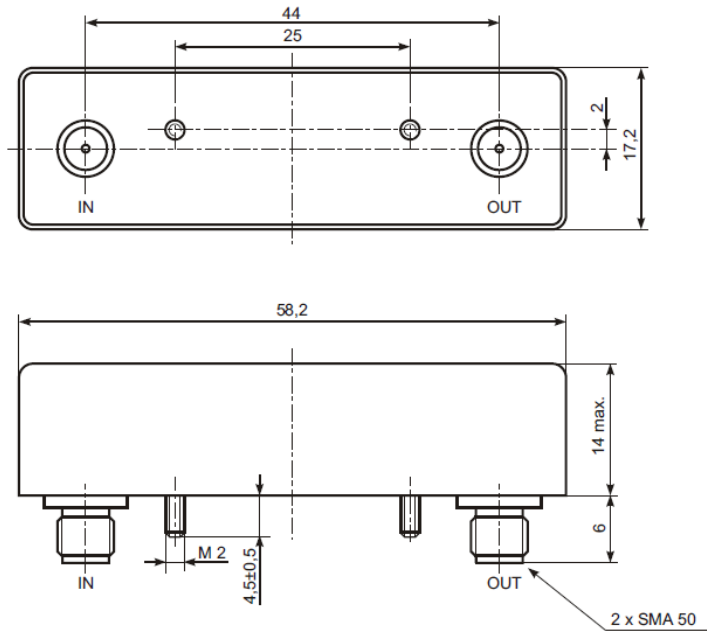
**Notes:**

1. Terminology and test conditions are according to IEC standard IEC60368-1, unless otherwise stated
2. RF input power of >10 mW must be avoided, as it may result in permanent damage of the filter.

**Ordering Code:**

Model (Specification)	Frequency [MHz]
QF30-05	29.580

**Enclosure drawing**



**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	16.01.2004	First issue QF30-01	BN	BN
2	25.01.2013	Selectivity spec changed	BN	BN
1	02.01.2017	Package changed. New P/N QF30-05	BN	BN