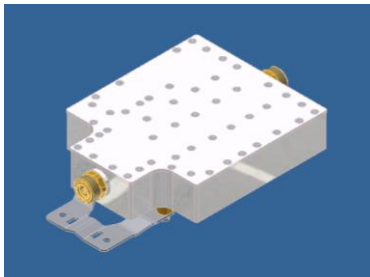
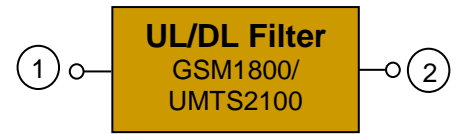


UL/DL Filter GSM1800/UMTS2100 6 Cavities



Single Unit

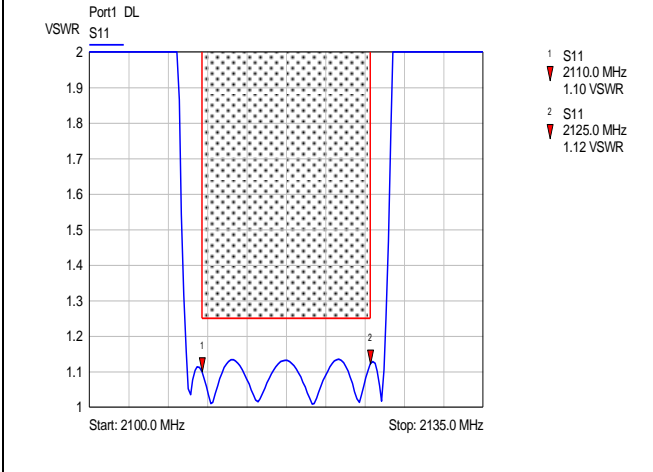
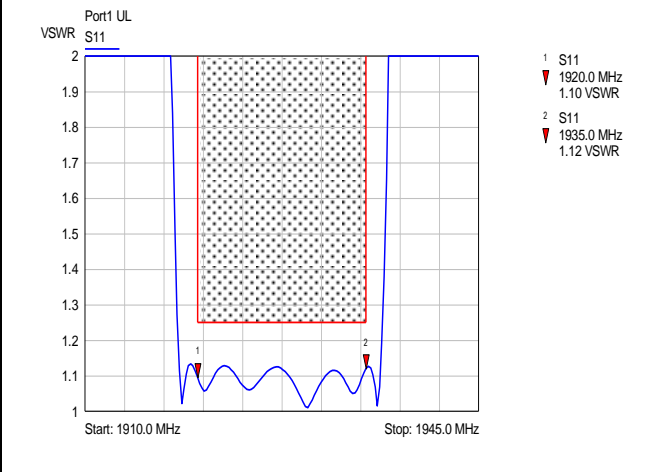


Block Diagram

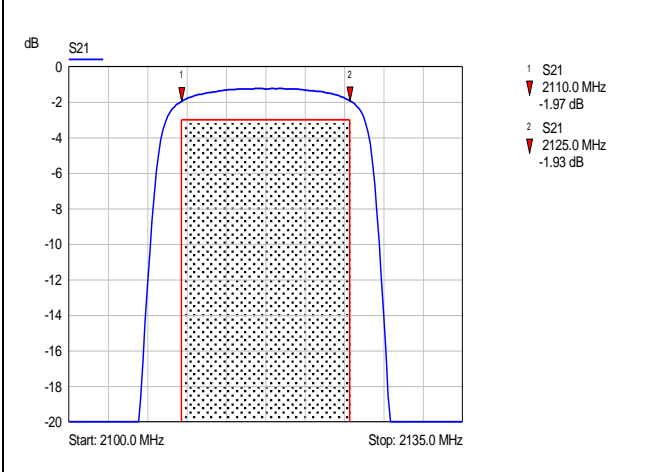
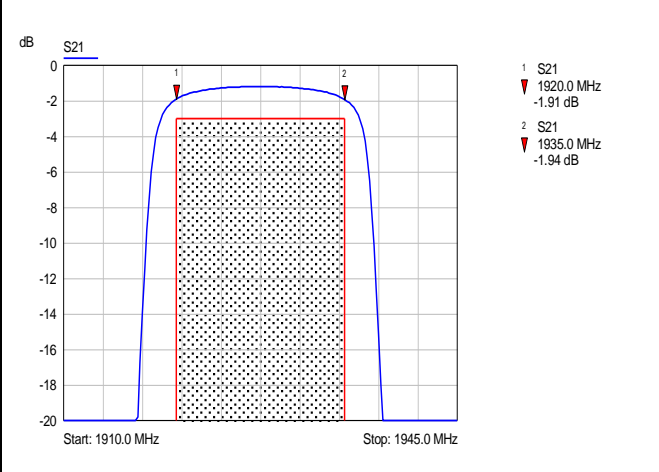
Part number		BN 570572	BN 570672
Version		single	double
Connectors		7-16 socket (50 Ohms)	
Frequency range	GSM1800	1710 – 1785 MHz (Uplink) 1805 – 1880 MHz (Downlink)	
	UMTS 2100	1920 – 1980 MHz (Uplink) 2110 – 2170 MHz (Downlink)	
Tuning example Frequency range	Passband	1920 – 1935 MHz (Uplink) 2110 – 2125 MHz (Downlink)	
	Rejection band	1940-1955 MHz / 2130-2145 MHz	
Factory tunable bandwidth range		10 – 20 MHz	
Out of Band Rejection	Pass band = Band gap	GSM1800 ≥ 30 dB	UMTS 2100 ≥ 25 dB
	Pass band = 2 x Band gap	≥ 30 dB	≥ 20 dB
	2 x Pass band = Band gap	≥ 50 dB	≥ 50 dB
Insertion loss	Pass band = Band gap	≤ 2.5 dB	≤ 2.5 dB
	Pass band = 2 x Band gap		
	2 x Pass band = Band gap		
VSWR		≤ 1.25	
Power rating		100 W (CW)	
Intermodulation products in RX band with 2 x 43dBm (20 W)		≤ -150 dBc   typical: ≤ -160 dBc	
Degree of protection		IP 65	
Environmental conditions		ETSI EN 300019-1-1 Class 1.2 ETSI EN 300019-1-2 Class 2.3 ETSI EN 300019-1-3 Class 4.1E	
Wall / Mast mounting		<b>BN 570572</b> to be ordered separately under B16603	<b>BN 570672</b> part of delivery
	Weight	5 kg	10.6 kg
Temperature range		-25 °C – +65 °C	

Measurements:

**VSWR:**



**Insertion loss:**



**Out of Band Rejection:**

