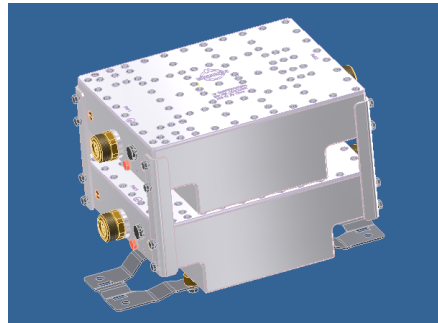
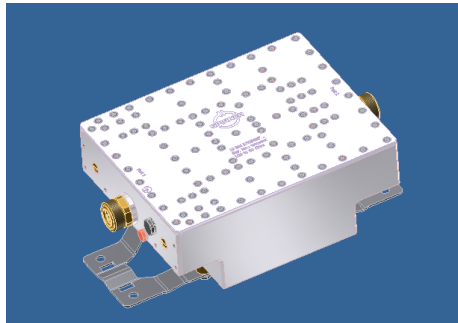


UL/DL Filter LTE700/LTE800/GSM850/GSM900 6 Cavities



Block Diagram

Single Unit

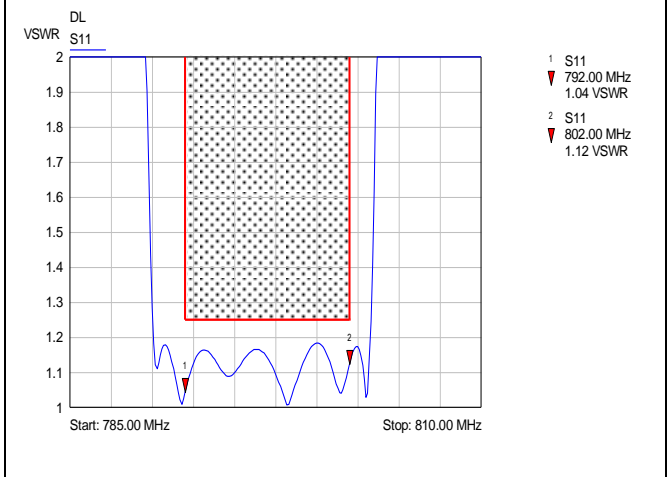
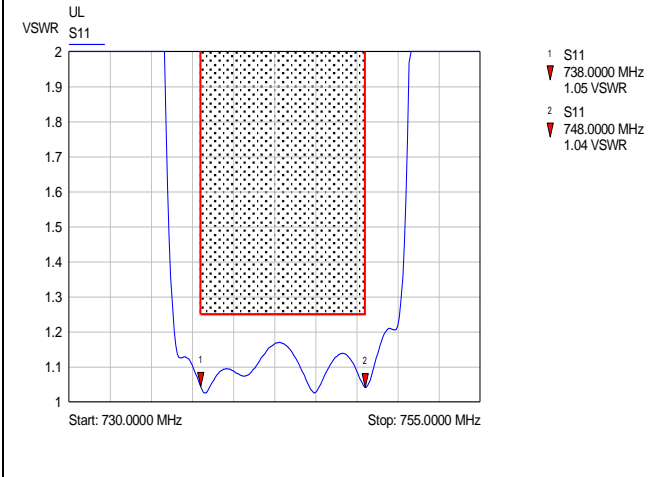
Double Unit

Part number		BN 570568		BN 570668	
Version		single		double	
Connectors		7-16 socket (50 Ohms)			
Frequency range	LTE700	703 – 733 MHz (Uplink) 758 – 788 MHz (Downlink)			
	LTE800	791 – 821 MHz (Downlink) 832 – 862 MHz (Uplink)			
	GSM850	824 – 849 MHz (Uplink) 869 – 894 MHz (Downlink)			
	GSM900	880 – 915 MHz (Uplink) 935 – 960 MHz (Downlink)			
Tuning example	Passband	738 – 748 MHz (Uplink) 792 – 802 MHz (Downlink)			
	Rejection band	806 – 857 MHz			
Factory tunable bandwidth range		10 - 20 MHz			
Out of Band Rejection	Pass band = Band gap	≥ 70 dB	≥ 60 dB	≥ 60 dB	≥ 55 dB
	Pass band = 2 x Band gap	≥ 50 dB	≥ 30 dB	≥ 40 dB	≥ 40 dB
	2 x Pass band = Band gap	≥ 70 dB	≥ 70 dB	≥ 60 dB	≥ 55 dB
Insertion loss	Pass band = Band gap	≤ 1.8 dB	≤ 1.5 dB	≤ 1.5 dB	≤ 1.5 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		≤ -150 dBc typical: ≤ -160 dBc			

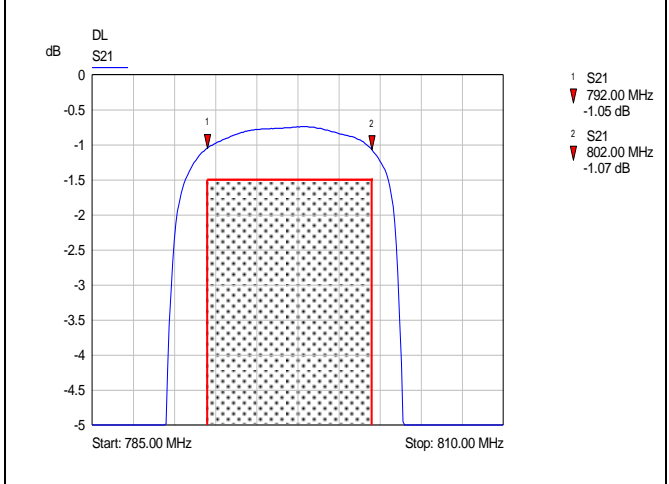
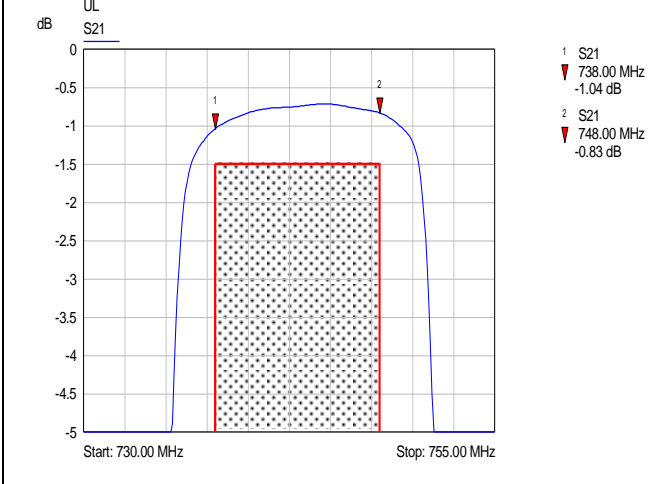
with 2 x 43dBm (20 W)		
Degree of protection	IP 65	
Environmental conditions	ETSI EN 300019-1-1 Class 1.2 ETSI EN 300019-1-2 Class 2.3 ETSI EN 300019-1-3 Class 4.1E	
Wall / Mast mounting	BN 570568 to be ordered separately under B16603	BN 570668 part of delivery
Weight	6.7 kg	14 kg
Temperature range	-25 °C – +65 °C	

Measurements:

VSWR:



Insertion loss:



Out of Band Rejection:

