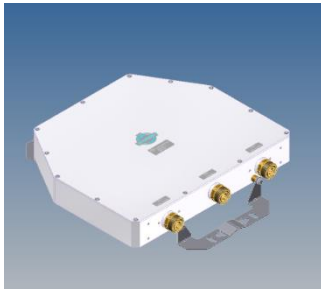
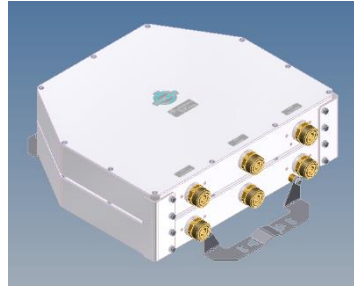


Multiplexer GSM 900 6 Cavities with DC-by-pass



Single Unit



Double Unit



Block Diagram

Part number		BN 570663	BN 570643
Version		single	double
Connectors		7-16 socket (50 Ohms)	
Frequency range		880 – 915 MHz (UL) 925 – 960 MHz (DL)	
Tuning example	Passband	880.2 – 887.3 MHz (UL1) / 925.2 – 932.3 MHz (DL1) 890.1 – 903.3 MHz (UL2) / 935.1 – 948.3 MHz (DL2)	
Factory tunable bandwidth range		10 - 25 MHz	
Isolation	Pass band = Band gap	≥ 60 dB	
	Pass band = 2 x Band gap	≥ 40 dB	
	Pass band = 4 x Band gap	≥ 30 dB	
	2 x Pass band = Band gap	≥ 90 dB	
Insertion loss	Pass band = Band gap	≤ 1.4 dB	
	Pass band = 2 x Band gap		
	2 x Pass band = Band gap		
VSWR		≤ 1.25	
Power rating		100 W per port (CW)	
Intermodulation products in RX band with 2 x 43dBm (20 W)		≤ -150 dBc typical: ≤ -160 dBc	
DC-by-pass		Port 1 to Port 3 and Port 2 to Port 3 (max. 1A per input max. 60V DC(AISG Standard, 2.0, § 6.4))	
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		part of delivery	
Paint color		Grey	
Dimensions (LxWxH) (without mounting kit)		339mm x 370mm x 53mm	339mm x 376mm x 111mm
Weight		9.2 kg	20 kg
Temperature range		-5 °C – +65 °C	

Measurements:

