



GSM 1800 / 3G Single - DC Pass All Bands

Single Cell GSM 1800 / 3G Diplexer Designed to enabling the re-use of existing feeders.

Fully designed for outdoor use and intended for co-sitting of base stations to enable sharing of feeder, TMA system and antenna.

The unit can be used both at the BTS end for combining frequency bands to a common port and at the antenna end for splitting the frequency bands to separate antennas. The filter has configurable DC transparency and integrated lightning protection on all ports making it easy using TMAs in the antenna system.

Product Type

Number of Cell	Single
DC By Pass	All Bands

Mechanical

Dimensions	236 (H) x 168 (W) x 50 (D) mm
Connectors	DIN 7-16 (F)
Mounting	Vertical, Pole / Wall

Environmental

Temperature Range	-40 to +65°C
Sealing Rating	IP66
Enclosure Material	Aluminium
DC Pass Current	3.0A Max
ASIG Pass	Yes
Lightning Protection	IEC61000-4-5
MTBF	5000,000 Hours

Port 1

Output	Combined Port 2 / 3 / 4
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Port 2



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Frequency Band	1710-1880 MHz
Insertion Loss	0.2 dB
Return Loss	20.8 dB min.
Rejection 1710-2170 MHz	60 dB min.
Average Power	250 W
Peak Power	3.0 kW
Intermodulation IM3	-160 dBc
Impedance	50 Ω

Port 3	
Frequency Band	1920-2170 MHz
Insertion Loss	0.2 dB
Return Loss	20.8 dB min.
Rejection 808-960 MHz	60 dB min.
Average Power	200 W
Peak Power	3.0 kW
Intermodulation IM3	-160 dBc
Impedance	50 Ω