



APN10-W100D

Co-Frequency Band Combiner

Two UMTS2100 BTS Sharing Same
Feeders, TMAs and Antennas
Multiple DC/AISG Bypass Configurations
Light Weight and Small Footprint
ROHS Complaint
Housing is IP67 Rated

The Telecom Infrastructure Materials Sourcing Company



Technical Specifications

Part Code			APN10-W100D	
Frequency (MHz)	Range	Downlink(TX)	2140 - 2150 MHz	2160 - 2170 MHz
		Uplink(RX)	1950 - 1960 MHz	1970 - 1980 MHz
Insertion Loss (dB)		Downlink(TX)	≤0.7	≤0.7
		Uplink(RX)	≤1.5	≤1.5
Impedance (Ω)			50	
VSWR			≤1.3	
Return Loss (dB)			18	
Inter-modulation within Rx band at the Tx port			160 dBc @ 2 x 43dBm (13 th order)	
Isolation				
In B1 TX frequency range			25 dB min	
In B2 TX frequency range			25 dB min	
In B1 RX frequency range			20 dB min	
In B2 RX frequency range			20 dB min	
Power handling			100W Average / 1000W PIP in Tx Port	
Dimension (HxWxD) (mm)			331 x 217 x 112 mm	
Weight excl mounting (KG)			7.5	
Connectors			DIN 7/16 (F) long shank x 6	

