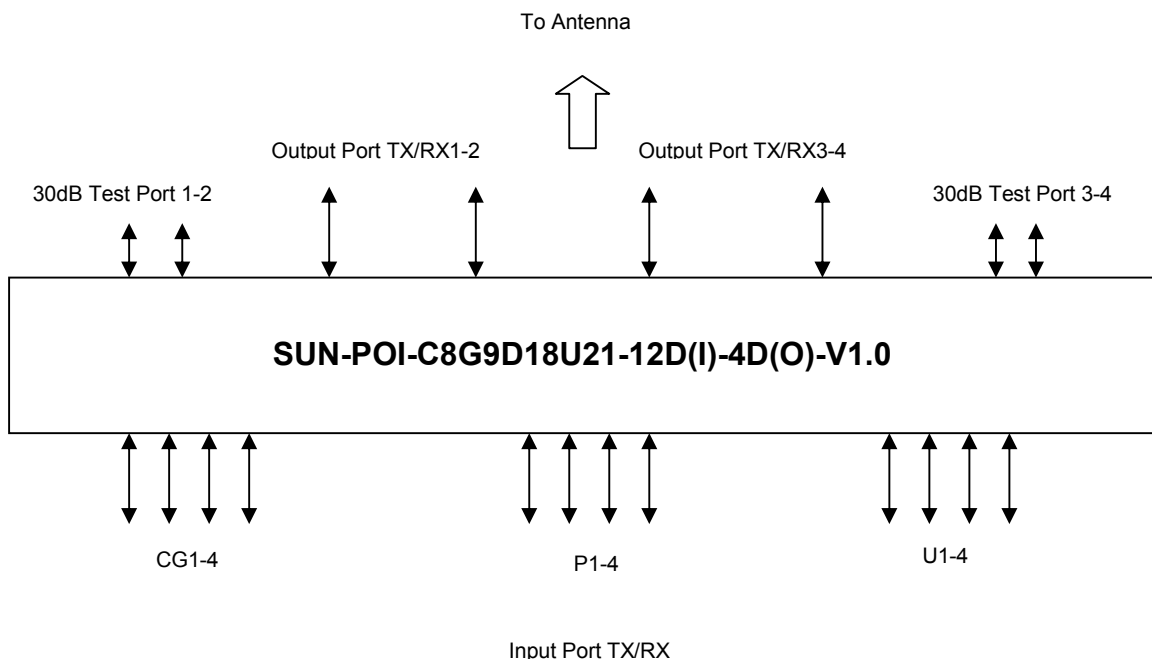




Sunny Point-Of-Interconnect (POI) For LTE700CDMA800GSM900x4 / PCN1800x4 / UMTSx4 Duplex Input and 4 x Duplex Output

Model : SUN-POI-C8G9D18U21-12D(I)-4D(O)-V1.0

A) Block Diagram





B. Technical Specification

Model	SUN-POI-C8G9D18U21-12D(I)-4D(O)-V1.0
Electrical	
Input Tx / Rx Frequency per Port	
CDMA800 GSM900 Tx / Rx 1	698-960MHz
CDMA800 GSM900 Tx / Rx 2	698-960MHz
CDMA800 GSM900 Tx / Rx 3	698-960MHz
CDMA800 GSM900 Tx / Rx 4	698-960MHz
DCS1800 Tx / Rx 1	1710-1880MHz
DCS1800 Tx / Rx 2	1710-1880MHz
DCS1800 Tx / Rx 3	1710-1880MHz
DCS1800 Tx / Rx 4	1710-1880MHz
UMTS Tx / Rx 1	1920-2170MHz
UMTS Tx / Rx 2	1920-2170MHz
UMTS Tx / Rx 3	1920-2170MHz
UMTS Tx / Rx 4	1920-2170MHz
Total Power Per Port	100W max per input
Insertion Loss To Either Output	
CDMA800GSM900 Tx/Rx 1 to 4	7.8dB max
DCS1800 Tx/Rx 1 to 4	7.8dB max
UMTS Tx/Rx 1 to 4	7.8dB max
Return Loss	
All Inputs Ports	15dB min (18dB typ)
Input Ports Isolation	
CDMA800GSM900 to CDMA800GSM900 Ports	20dB min
DCS1800 to DCS1800 Ports	20dB min
UMTS to UMTS Ports	20dB min
Band Rejection	
Same Band	20dB min
Different Band	80dB min
Output Ports TX/RX1-TX/RX4	
All Output Ports	15dB min
Intermodulation Products	-150dBc@2x43dBm
TX/RX1 - TX/RX4 Test Port	30+/-3dB + Insertion Loss
Mechanical	
Connectors	7/16 Female
Impedance	50Ω
Operating Temperature	-10 to 80°C
MTBF	200,000 hours
Material	Casing – Steel With Zinc Coating (Black Color)
Mounting	19" Rack Mount or Floor Mount
Dimensions (LxWxH)	TBAL
Weight	TBAL

Technical data are subjected to change without notice – File : SUN-POI-C8G9D18U21-12D(I)-4D(O)-V1.0 2014V1.0doc