



Sunny Line Amplifier – DCS1800 Full Band 20/40W

Model: SUN-LA-D18-FB-XX

Where XX is 20 or 40



Electrical Specifications

Item	Specification		
	Downlink		Uplink
Frequency Range	1805-1880MHz		1710-1785MHz
Output Power (Max.)	43±2dBm	46±2dBm	0±2dBm
Gain (Max.)	48±3dB		48±3dB
Max. input without damage	10dBm		-10dBm
NF	--		≤5dB
Gain Adjustable Range/Step	≥30dB/1dB		
Gain Adjustable Linear	≤1.0dB @0~20dB		
	≤1.5dB @21-30dB		
Ripple	≤3dB (200kHz)		
Downlink 3 rd Order Intercept, OIP3	≥62dBm	≥65dBm	--
ALC	Input Signal add 10dB ΔPo≤±1		
VSWR	≤1.5		
Time Delay	≤1.5μs		
Spurious Emission	≤-36dBm @9kHz-1GHz		
	≤-30dBm @1GHz-12.75GHz		
Intermodulation Attenuation	≤-45dBc/30kHz @ in-band (800kHz frequencies separate)		
	≤-36dBm/100kHz @ out-band (9kHz-1GHz)		
	≤-30dBm/1MHz @ out-band (1GHz-12.75GHz)		

Power Supply and Mechanical Specifications

Power Supply	AC220V(50Hz)/AC110V(60Hz)
Dimension	500mm*440mm*230mm
Weight	≤30kg
Max. Power Consumption	≤300W
Operating Temperature	-25~+55°C
Operating Humidity	≤95%
Environmental Class	IP65
RF Connector	N-Female, 50ohm
MTBF	≥100000 hours
Monitor Interface	Local Monitor: RS232
	Remote Monitor: 2G/3G modem

Technical data are subjected to change without notice – File: SUN-LA-D18-FB-XX datasheet 2016V1.1