



KU Band UL DNC Switch Specifications



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Input Frequency	13750 – 14500 MHz
Output Frequency	1250 – 2000 MHz
Output Harmonics	<-30 dBc Typical, <-20 dBc Max
Output Spectrum	Non-Inverted, single conversion
LO Frequency	12500 MHz
LO Phase Noise	<-45 dBc/Hz @ 10 Hz <-70 dBc/Hz @ 100 Hz <-80 dBc/Hz @ 1 KHz <-80 dBc/Hz @ 10 KHz <-80 dBc/Hz @ 50 KHz <-95 dBc/Hz @ 100 KHz <-120 dBc/Hz @ 1 MHz With External Reference Connected
Max Input	+10 dBm, No Damage
Gain	15 dB +/- 1.5 dB
Gain Flatness	+/- 1.5 dB
Output Power P1dB	10 dBm
IMD3	<-50 dBc TYP, <-45 dBc MAX Output @ -10 dBm/tone 20 MHz apart
Group Delay	3 nSec, max peak to peak
Spurs	-50 dBc, output -10 dBm, signal related

Image Rejection	50 dB typical, 45 dB Max
Noise Figure	12 dB Typical, 15 dB Max
Impedance	50 Ohms
VSWR	2.5:1 Max, RF Port 1.7:1 Max, IF Port
Internal Reference	10 MHz
Internal Ref. Stability	+/- 3 ppm Over Temp, 0 to +50C
Internal Ref. Aging	+/- 1 ppm First Year max
Switch Network	4:1 Network, 4 RF inputs, 1 IF output
Switching Speed	100 μ s
Dimensions	19" Rack Mount 2RU
RF Connectors	SMA
LAN TCP/IP Interface	RJ-45 10Base-T, 100Base-TX
I/O Connector	RS-232C female connector
Temperature Range	0 to +50C