

SATCOM RECEIVER

LNB

Ka Tx-band EXT LNB R2829X, R2930X



TYPICAL SPECIFICATIONS

Noise figure	5.5dB max	Linear input level	-50dBm
LO stability	Phase locked to external reference	Spurious	
		Signal related	-60dBc max @ -10dBm
		Power supply related	-50dBc max @ -10dBm
		Harmonics	-50dBc max @ -10dBm
Phase noise	-60dBc/Hz @100Hz -70dBc/Hz @1KHz -80dBc/Hz @10KHz	LO leakage (Input)	-50dBm max
Input VSWR	2.5 : 1	Image rejection	40dBc min
Output VSWR	2.0 : 1	DC voltage / current	+12 to +24 V / 600mA
Conversion gain	48dB typ	Input waveguide	WR-28
Gain flatness	±2dB max	Output connector	SMA-female, N-female, F-female
Output P1dB	+5dBm min	Dimension	130(L) x 57(W) x 34(H) mm
IP3	+15dBm min	Weight	700g
External reference	10MHz, -5 to +5 dBm	Operating temperature	-40 to 60°C
RF input level	-30dBm max		

FREQUENCY BANDS AVAILABLE

	R2829X	R2930X
RF freq. (GHz)	28.0 - 29.0	29.0 - 30.0
LO freq. (GHz)	27.05	28.05
IF freq. (MHz)	950 - 1950	950 - 1950

HOW TO ORDER Ka TX-BAND EXT LNB

R2829XF

Output connector	SMA: 50Ω, N: 50Ω, F: 75Ω
10MHz reference	X: External reference
Frequency	2829: 28.0 - 29.0 GHz 2930: 29.0 - 30.0 GHz
R: LNB series	

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OUTLINE DRAWING

