

SATCOM RECEIVER

LNB

Ka Tx-band PLL LNB R2829I, R2930I



TYPICAL SPECIFICATIONS

Noise figure	5.5dB max	Spurious	
LO stability	±10, ±25, ±50 KHz	Signal related	-60dBc max @ -10dBm
Phase noise	-60dBc/Hz @100Hz -70dBc/Hz @1KHz -80dBc/Hz @10KHz	Power supply related	-50dBc max @ -10dBm
		Harmonics	-50dBc max @ -10dBm
Input VSWR	2.5 : 1	LO leakage (Input)	-50dBm max
Output VSWR	2.0 : 1	Image rejection	40dBc min
Conversion gain	45dB typ	DC voltage / current	+12 to +24 V / 600mA
Gain flatness	±2dB max	Input waveguide	WR-28
Output P1dB	+5dBm min	Output connector	SMA-female, N-female, F-female
IP3	+15dBm min	Dimension	130(L) x 57(W) x 34(H) mm
RF input level	-30dBm max	Weight	700g
Linear input level	-50dBm	Operating temperature	-40 to 60°C

FREQUENCY BANDS AVAILABLE

	R2829I	R2930I
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 PLL LNB

R2829IF-4

LO stability	2: ±10KHz 3: ±25KHz 4: ±50KHz
Output connector	SMA: 50Ω, N: 50Ω, F: 75Ω
10MHz reference	I: Internal PLL
Frequency	2829: 28.0 - 29.0 GHz 2930: 29.0 - 30.0 GHz
R: LNB series	

SATCOM RECEIVER

OUTLINE DRAWING

