

Technical data

Input frequency range	10.7 GHz ~ 12.75 GHz
Output frequency range	950 MHz ~ 2150 MHz
Low band LO frequency	9.75 GHz
High band LO frequency	10.6 GHz
Noise figure	0.3 dB typ. (0.7 dB max.)
LO frequency accuracy @ 25° C	±500 kHz max.
LO temperature drift	±1.0 MHz max.
LO phase noise @ 10 kHz	-80 dBc/Hz max.
Conversion gain	55 dB min.
Gain ripple (over 26 MHz bandwidth)	±0.75 dB
Gain variation (over full band)	±4 dB
Image rejection	40 dB min.
3th order intermodulation - ICP3	10 dBm min.
1 dB compression point (@ output)	0 dBm min.
Cross polarization isolation	22 dB typ., 20 dB min.
Control signal Ca (V)	11.0 V ~ 14.0 V
Control signal Cb (H)	16.0 V ~ 20.0 V
Control signal Cc (band switching)	22 kHz ±4 kHz, 0.4 V ~ 0.8 V pp
Output VSWR	2.5 : 1
In band spurious level	-60 dBm max.
Current consumption	120 mA max. @ 11 VDC ~ 20 VDC
Operating temperature	-30 °C ~ +60 °C
Output impedance (LNB2)	75 Ω
Output connector type	F-type (female)
Dish F/D ratio	0.6
Weight	206 g

