



TYPE: 4.3° MONOBLOCK SINGLE

Technical specifications PREMIUM 4.3° Monoblock LNB series



Reference	PREMIUM MONOBLOCK 4.3° Single
Code	0400441
LNC type	4.3° Monoblock SINGLE
Typical satellites	A: 19.2° E Astra, B: 23.5° E Astra
Input frequency	Low Band: 10.7 ~ 11.7 GHz / High Band: 11.7 ~ 12.75 GHz
Outputs number	1
Output frequency	Low Band: 950~1950 MHz / High Band: 1100~2150 MHz
L.O. frequency	Low Band: 9.75 GHz / High Band: 10.60 GHz
L.O. Temperature drift	±1 MHz Initial Accuracy (@25 °C) / ±3 MHz -40°C ~ +60°C
L.O. Phase noise	-60 dBc/Hz@1KHz Offset at High-Band -80 dBc/Hz@10KHz Offset at High-Band -100 dBc/Hz@100KHz Offset at High-Band
Noise figure	0.2 dB (Typ.)
Conversion gain	52 ~ 65 dB
Gain flatness characteristics	5±0.5 dBpp (Over Operating Band)
1dB output gain compression	0 dBm
L.O. spurious	-45 dBc
Image rejection	40 dB (Min.)
Output VSWR	2.0:1
Cross polarization	20 ~ 25 dB
Voltage supply and control signals	10.5~14.5 VDC Vertical Polarization / 15.5~21.0 VDC Horizontal Polarization / 22 ±4 KHz Band switching
Current consumption	120 mA (Typical)
Load impedance	75 Ω
Reflector type	80 cm Offset dish
Feedhorn mounting	40 mm (Standard size)
Operation temperature	-40°C ~ +60°C
Output connectors	F type
Color	Black RAL 9004
Community against UMTS/GSM/DECT interferers @~1,800 MHz	40 dB min

