

SHARP

Quad & Dual Output LNB



The Sharp LNBs are Foxtel approved and come in quad and dual port options. They have a 10.7GHz LO and are also suitable for PAY TV applications.

Features

- Plug and Play for Foxtel, Austar, VAST satellite decoders
- Foxtel IPL #30887 (BC49164) & #30886 (BC49165)

Specifications

	Quad LNBF (BC49164)	Dual LNBF (BC49165)
Receiving Frequency Range	11.70 – 12.75 GHz	11.70 – 12.75 GHz
Output Frequency Range	1000 – 2050 MHz	1000 – 2050 MHz
Local Oscillator Frequency	10.7 GHz	10.7 GHz
Noise Figure*	< 0.8 dB @ 25 °C (0.7 dB typical)	< 0.8 dB @ 25 °C (0.7 dB typical)
Conversion Gain	53 – 62 dB @ 25°C	53 – 62 dB @ 25°C
Gain Frequency Characteristic	<6 dBpp (11.7 – 12.75 GHz) ±1 dBpp within any 54 MHz segment	<6 dBpp (11.7 – 12.75 GHz) ±1 dBpp within any 54 MHz segment
Gain difference (H – V pol)	< 6.0 dB	< 6.0 dB
1dB Output Gain Compression	0 dBm min	0 dBm min
L. O. Frequency Range	10.699 – 10.701 GHz	10.699 – 10.701 GHz
Temperature drift	±2 MHz over -20°C - +50°C	±2 MHz over -20°C - +50°C
L.O. Phase Noise	-55 dBc/Hz @ 1 kHz offset -80 dBc/Hz @ 10 kHz offset -100 dBc/Hz @ 100 kHz offset	-55 dBc/Hz @ 1 kHz offset -80 dBc/Hz @ 10 kHz offset -100 dBc/Hz @ 100 kHz offset
L.O. Spurious at Signal Input	-60 dBm max	-60 dBm max
Image interference suppression ratio	45 dB min	45 dB min
Non-harmonic Related Spurious	-40 dBc (>10 kHz)	-40 dBc (>10 kHz)
Harmonic Related Spurious	-35 dBc (2 – 10 kHz)	-35 dBc (2 – 10 kHz)
3rd Order Intermodulation	-40 dBc (-6 dBm at output level)	-40 dBc (-6 dBm at output level)
Cross-Polar Discrimination	25 dB min	25 dB min
Operating Temperature	-30° to +60°C	-30° to +60°C
Clamp Diameter	40 mm	40 mm
Output VSWR	< 2.5 : 1	< 2.5 : 1
Output Connector	4 x F-type female	2 x F-type female
Output Impedance	75 ohm	75 ohm
Control Voltages	11.5 – 14.0 V Vertical Polarisation 16.0 – 19.0 V Horizontal Polarisation	11.5 – 14.0 V Vertical Polarisation 16.0 – 19.0 V Horizontal Polarisation
Current consumption	42 mA typ. at 18V, 64mA typ. at 13V	32 mA typ. at 18V, 48mA typ. at 13V
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