



LNB

KA DUAL-BAND

EXT. REF.

9000X-3

SPECIFICATIONS

Noise figure	1.3dB typ., 1.6dB max. at room temp. @ CF	DC Power	+ 12V to + 19V DC
L.O. stability	Phase locked to ext. ref.	Band 1	13 V
Phase Noise (SSB) max.	-60 dBc/Hz at 100Hz -70 dBc/Hz at 1kHz -80 dBc/Hz at 10kHz -90 dBc/Hz at 100 kHz	Band 2	18 V
Input VSWR	Band AE & BE: 2.5 : 1 Band B & C: 2.2 : 1	DC Current	350 mA
Output VSWR	Band AE & BE: 2.2 : 1 Band B & C: 2.0 : 1	Waveguide Flange	WR-42
Conversion gain	58 dB typ., 55dB min., 65 dB max.	Output Connector	N:50 Ω, F: 75 Ω
Gain Flatness	Band AE & BE: 5 dB p-p over full band Band B & C: 4 dB p-p over full band	Spurious	In band -60 dBc Out band -50 dBc
Output P1dB	5 dBm	Dimensions (LxWxH)	133 mm x 70 mm x 39 mm
Image Rejection	40 dBc min.	Weight	500 g
		Operating Temperature	-40 to + 60°C



FREQUENCY BAND EXAMPLES - Custom Options Available

	AE	BE	B	C
RF frequency (GHz)	17.70 to 18.95	18.95 to 20.20	19.20 to 20.20	20.20 to 21.20
L.O. frequency (GHz)	16.75	18.00	18.25	19.25
IF frequency (MHz)	950 to 2200	950 to 2200	950 to 1950	950 to 1950

HOW TO ORDER

9016XBC-3F

CONNECTOR	F - 75 Ohm N - 50 Ohm
FREQUENCY	AEBE - Switching between AE & BE BC - Switching between B & C
NOISE FIGURE	1.6 dB
LNB SERIES #	

MECHANICAL DIAGRAM

