



Features

- Ultra light
- Compact size
- Extended C band range

Specifications

Model	LNB C EX 17K	KDF-133	KDR-678
Band	C band LNB	Ku band LNB	Ku band LNB
Input Frequency	3.7 ~ 4.2 GHz	12.25 ~ 12.75 GHz	12.25 ~ 12.75 GHz
Output Frequency	950 ~ 1450 MHz	950 ~ 1450 MHz	950 ~ 1450 MHz
L.O & Stability (Over Temperature)	5.15 GHz $\pm$ 2.5 MHz	11.3 GHz $\pm$ 2 MHz	10.678 GHz $\pm$ 2 MHz
Noise Temperature (@+25°C)	25 ~ 35K (max)	0.6 ~ 0.9 dB (max)	0.6 ~ 0.9 dB (max)
Input VSWR	2.5:1 (typ)	2.5:1 (typ)	2.5:1 (typ)
Image Rejection	40 dBc (min)	40 dBc (min)	40 dBc (min)
Conversion Gain	66 dB typ (62dB min, 72dB max)	55 dB (typ)	55 dB (typ)
1 dB Gain Compression Point	5 dBm (typ)	0 dBm (min)	0 dBm (min)
Output VSWR	2:1 (typ)	2:1 (typ)	2:1 (typ)
Gain Flatness	6 dBp-p (max)	6 dBp-p (max)	6 dBp-p (max)
Gain Ripple (@ per channel)	$\pm$ 0.75 dB (max)	$\pm$ 0.75 dB (max)	$\pm$ 0.75 dB (max)
Output Impedance	75 Ω	75 Ω	75 Ω
Leakage (@ Input port)	-60 dBm (max)	-60 dBm (max)	-60 dBm (max)
Phase Noise	@10KHz	-80 dBc/Hz	-80 dBc/Hz
	@100KHz	-95 dBc/Hz	-95 dBc/Hz
	@1MHz	-110 dBc/Hz	-110 dBc/Hz
Power Supply	12 ~ 24V DC	12 ~ 24V DC	12 ~ 24V DC
Requires Current	150mA (max)	150mA (max)	150mA (max)
Operating Temperature	-30°C ~ 60°C	-30°C ~ 60°C	-30°C ~ 60°C
Storage Temperature	-40°C ~ 80°C	-40°C ~ 80°C	-40°C ~ 80°C
Relative Humidity	0% ~ 95% RH	0% ~ 95% RH	0% ~ 95% RH
Input Waveguide Flange	WR-229	WR-75	WR-75
IF Output Connector	F-Type Female	F-Type Female	F-Type Female

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.