

\* Active parts

Converter (PLNB)



● Features

- ▶ Input Frequency Range 7.655 ~ 7.75GHz
- ▶ Output Frequency Range 3.5MHz
- ▶ Gain : 120 dB
- ▶ TRF : -60 dBc @8.3~8.6 GHz
- ▶ Reference Frequency Stability :  $1 \times 10^{-7}$

\* Applications

- ▶ Military Satellite Receivers

PARAMETER		SPEC.
Frequency	Input	7.655 ~ 7.75 GHz
	Output	3.5MHz
	LO	5.241~5.341 GHz
Reference Frequency Stability		12.8MHz $\pm$ 0.64Hz
LO Phase Noise		-65 dBc @ 100Hz
		-75 dBc @ 1KHz
		-85 dBc @ 10KHz
		-95 dBc @ 100KHz
Noise Figure(over temp.)		1.9 dB
Gain		120 dB
Gain Flatness		$\pm$ 1dB @100MHz
Gain stability		$\pm$ 1.5 dB (24hr)
VSWR	in	2 : 1
	out	1.5:1
Spurious( in/out) band		-60dBm Max
TRF		-60 dBc @8.3~8.6 GHz
Operating Temperature		-32 ~ +43 °C
DC Power	Voltage	3.3V, 5V
	Power	3.8W
Connector	Input	SMP-female
	Output	MCX-female