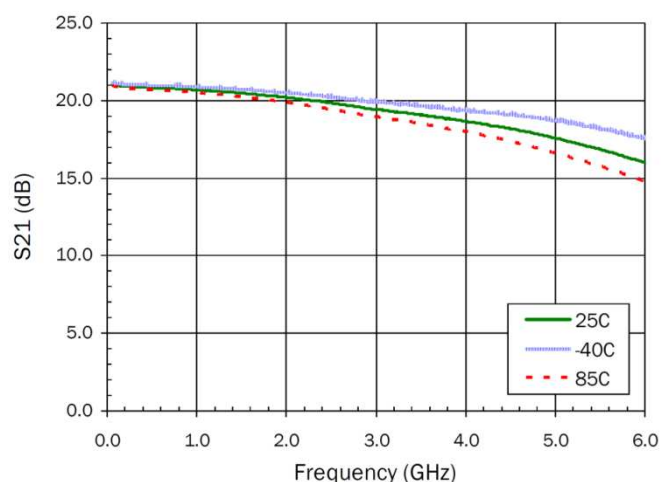
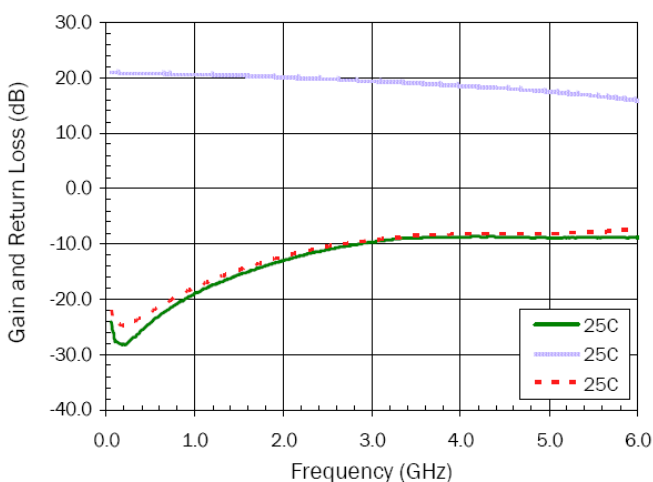


Technical Data

IC amplifier technology:	InGaP HBT MMIC
Frequency range:	50 – 6000 MHz
Small signal gain:	
at the frequency 850 MHz	20.5 dB
at the frequency 1950 MHz	20.0 dB
at the frequency 6000 MHz	16.0 dB
Input impedance:	50 Ω
Output impedance:	50 Ω
Device operating voltage DC:	4.5 – 5 V (max 5,25 V)
Device operating current:	75 – 100 mA
Connector:	SMA
Max RF input power:	24 dBm
Operating temp range:	-40 ... +85 °C



Applications

- PA Driver Amplifier.
- Cellular, PCS, GSM, UMTS.
- Wideband Instrumentation.
- Wireless Data, Satellite Terminals.
- UWB short-range radars.

PicoR PA1 amplifier is made on the printed circuit board and includes:

- two SMA (female or male) connectors (for input and output signals);
- power connector.

This amplifier has the optimum characteristics of gain, power consumption and price.

