

Datasheet

2.0 GHz High-Speed Amplifier

Chapifications (continued)		
Specifications (continued) Output		$\begin{array}{ll} 50 \ \Omega\\ 2.5:1 & (@\ f<3\ GHz)\\ 7.3\ dB & (@\ f<3\ GHz)\\ +10.5\ dBm & (@\ f<1\ GHz)\\ 1.9\ V_{_{PP}} & (@\ f<500\ MHz,\ for\ linear\ amplification)\\ typ.\ 3.5\ mV_{_{RMS}}\ or\ 23\ mV_{_{PP}}^{*}\ (measurement\ BW:\ 4\ GHz)\\ is\ derived\ from\ the\ RMS\ noise\ as\ follows:\ V_{_{PP}}=V_{_{RMS}}\ x\ 6.6\\ ise\ voltage\ will\ be\ within\ the\ specified\ peak-to-peak\ value.) \end{array}$
Power Supply	Supply voltage Supply current	+15 V +125 mA
Case	Weight Material	100 g (0.23 lbs) AIMg4.5Mn, nickel-plated
Temperature Range	Storage temperature Operating ambient temperature	-40 +100 °C 0 +60 °C
Absolute Maximum Ratings	Power supply voltage DC and LF input voltage RF input power	+20 V ±3 V +13 dBm
Connectors	Input Output Power supply	SMA, jack (female) SMA, jack (female) Lemo [®] series 1S, 3-pin fixed socket (mating plug type: FFA.1S.303.CLAC52) Pin 1: $+15 V$ Pin 2: NC Pin 3: GND PIN 2 $PIN 2$ $PIN 1$ +Vs PIN 3 GND
	L TOOLS FOR SIGNAL	

