



Broadband HBT Amplifiers

Skyworks Solutions, Inc. has introduced a family of four **new broadband HBT amplifiers** for the growing broadband and wireless access markets.

These four HBT amplifiers are available in 3 different packages (SOT-89, SC-88, micro-X) and exhibit low noise and high linearity performance characteristics over a wide frequency range, making them ideally suited for applications within:

- Cellular base stations
- Cable systems
- Direct to home satellite systems
- Wireless LAN
- Bluetooth, Wi-Fi
- Medical and test equipment.

All these HBT amplifiers are lead (Pb) - free and RoHS compliant and are designed as cascadeable 50 Ohm gain blocks.

BFI OPTILAS is the European Distributor for the all the Skyworks Solutions, Inc. products.

Part Number	Frequency band (GHz)	3dB Band	VCC (V) typ.	ICC (mA)	Gain@2 GHz (dB)	NF @1 GHz	Output IP3 dBm (2 GHz)	P1 db @ 2 GHz	Package
SKY65013-70LF	DC-12	DC-10	3.05	40	14.00	3.03	29	14dBm	SOT-89
SKY65014-70LF	DC-9	DC-8	4.06	65	15.05	3.05	37	18dBm @3GHz	SOT-89
SKY65015-70LF	DC-6	DC-6	4.05	65/85	18.00	3.05	35	18/19dBm	SOT-89
SKY65016-70LF	DC-3	DC-2.5	3.05	35	22.00	3.02	30	14dBm @4GHz	SOT-89
SKY65013-92LF	DC-12	DC-10	3.05	40	14.00	3.03	29	14dBm	SC-88
SKY65014-92LF	DC-9	DC-8	4.06	65	15.05	3.05	37	18dBm @3GHz	SC-88
SKY65015-92LF	DC-6	DC-6	4.05	65/85	18.00	3.05	35	18/19dBm @4GHz	SC-88
SKY65016-92LF	DC-3	DC-2.5	3.05	35	22.00	3.02	30	14dBm	SC-88
SKY65013-214LF	DC-12	DC-10	3.05	40	14.00	3.03	29	14dBm	Micro-X
SKY65014-214LF	DC-9	DC-8	4.06	65	15.05	3.05	37	18dBm @3GHz	Micro-X
SKY65015-214LF	DC-6	DC-6	4.05	65/85	18.00	3.05	35	18/19dBm@4GHz	Micro-X
SKY65016-214LF	DC-3	DC-2.5	3.05	35	22.00	3.02	30	14dBm	Micro-X