

SKYWORKS®



Infrastructure Solutions

Delivering End-to-End Seamless Connectivity



Wherever you are, Skyworks' infrastructure solutions are enabling faster and more reliable data connectivity. Whether in cell phone towers thinly disguised as trees or in small cells hidden under stadium seats and lamp posts, our groundbreaking products are connecting people with the information they need.

Our broad portfolio supports a multitude of applications—from small cells to massive MIMO and macro cellular base stations—with products that address functions spanning the transceiver to the antenna.

Partner with us on your next project to enable multimedia and data intensive platforms that are exploding across mobile, the Internet of Things and emerging 5G devices. We are at the forefront of developing revolutionary wireless solutions.

Connecting Everyone and Everything, All the Time

www.skyworksinc.com

Smart Solutions for Wireless Infrastructure

Below we invite you to explore a select group of our highly innovative infrastructure products. An extended list of select products with key specifications from our broad portfolio begins on page 4.



Pre-Driver Amplifiers

SKY67183-396LF
SKY67189-396LF



Driver Amplifiers

SKY66041-11 SKY66313-11
SKY66042-11 SKY66315-11
SKY66312-11



High Efficiency Power Amplifiers

SKY662xx Series
SKY663xx Series

*Pin-to-Pin Compatible PA Family
for 700 MHz to 5.9 GHz*



Circulators

SKYFR-001xxx Series



Switches

RF Switches

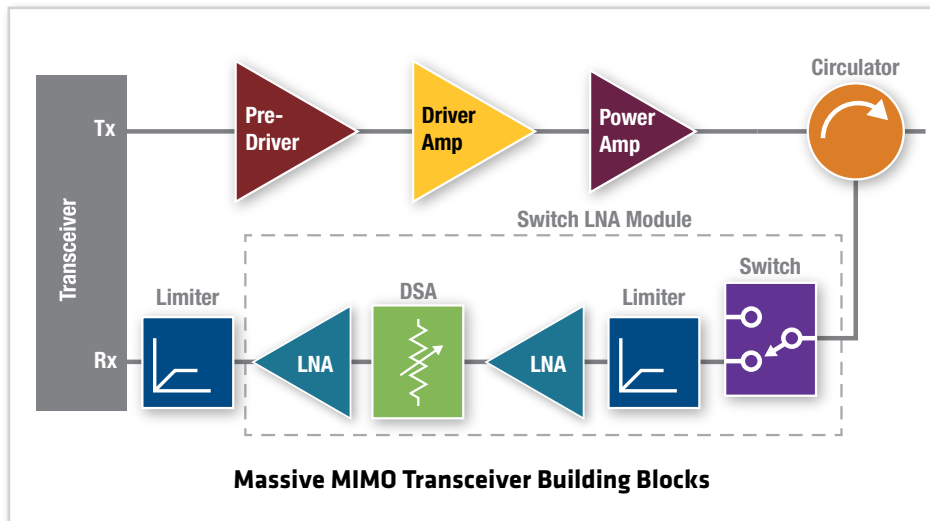
SKY13522-644LF
SKY13370-374LF
SKY13373-460LF
SKY13380-350LF

High Power Switches

SKY12245-492LF
SKY12247-492LF
SKY12248-492LF
SKY12210-478LF
SKY12207-478LF

Switch LNA Modules

SKY73217-31 SKY73218-11



High Efficiency Power Amplifiers



Limiters

SKY16601-555LF SKY16603-632LF
SKY16602-632LF



Low Noise Amplifiers (LNA)

SKY67154-396LF SKY67189-396LF
SKY67183-396LF SKY67180-306LF



Digital Step Attenuators (DSA)

SKY12408-321LF SKY12329-350LF
SKY12355-337LF SKY12340-364LF
SKY12345-362LF AA116-72LF

Product Specifications

Specification tables for products in this brochure are provided on the following pages.

New products (purple, bold) are continually being introduced at Skyworks. For up-to-date information on products in development, please contact your local Skyworks sales representative.

Coming Soon products (blue, bold) indicates products that will be available soon for purchase.

Amplifiers

Pre-Driver and Driver Amplifiers

| Part Number | Frequency (GHz) | Test Frequency (GHz) | Gain (dBm) | OIP3 (dBm) | OP _{1dB} (dBm) | V _{DD} (V) | Package (mm) |
|-----------------------|-----------------|--------------------------|------------------------------|--------------------------|--------------------------|---------------------|----------------------------|
| SKY67183-396LF | 1.7–6.0 | 3.6 4.5 | 18 19 | +33.5 +32.0 | +19.5 +17.5 | 5 | 8-pin DFN 2 x 2 x 0.75 |
| SKY67189-396LF | 0.4–6.0 | 3.3 3.8 4.4 5.0 | 18.6 18.3 17.8 17.3 | +29 +28 +27 +27 | +19 +19 +19 +19 | 5 | 8-pin DFN 2 x 2 x 0.75 |
| SKY66041-11 | 2.3–2.7 | 2.6 | 30 | – | +28 | 5 or 3.3 | 16-pin MCM 3 x 3 x 0.85 |
| SKY66042-11 | 3.3–4.2 | 3.55 | 30 | – | +28 | 5 or 3.3 | 16-pin MCM 3 x 3 x 0.85 |
| SKY66312-11 | 2.3–2.4 | 2.35 | 35 | – | 32 | 5 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66313-11 | 3.4–3.6 | 3.5 | 37 | – | 33 | 5 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66315-11 | 4.4–5.0 | 4.7 | 35 | – | 34 | 5 | 16-pin MCM 5 x 5 x 1.3 |

High Efficiency Power Amplifiers

| Part Number | Frequency (GHz) | Band | Typ. Gain (dB) | Power (dBm) | Power Added Efficiency (%) | iBW (MHz) | V _{DD} (V) | Typ. Quiescent Current (mA) | Package (mm) |
|-------------|-----------------|------------------------|----------------|-------------|----------------------------|-----------|---------------------|-----------------------------|---------------------------|
| SKY66296-11 | 0.700–0.800 | 12, 13, 14, 17, 29, 44 | 35 | +28 | 43 | 20 | 5 | 70 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66289-11 | 0.791–0.821 | 20 | 36.1 | +28 | 35.5 | 20 | 5 | 70 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66295-21 | 0.800–0.900 | 5, 18, 19, 26, 27 | 34 | +28 | 36 | 20 | 5 | 135 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66298-11 | 0.9–0.99 | 8 | 34 | +28 | 40 | 20 | 5 | 86 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66291-11 | 1.8–1.88 | 3, 9 | 37.5 | +28 | 36.5 | 20 | 5 | 80 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66299-11 | 1.9–2.0 | 2, 25, 33, 36, 37 | 36 | +28 | 35 | 20 | 5 | 80 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66294-11 | 2.1–2.2 | 1, 4, 10, 23 | 36 | +28 | 37 | 20 | 5 | 75 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66292-11 | 2.3–2.4 | 30, 40 | 35.5 | +28 | 36.5 | 20 | 5 | 70 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66299-21 | 1.900–2.000 | 2, 25, 33, 36, 37 | 36 | +28 | 28 | 20 | 5 | 110 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66391-12 | 1.805–1.880 | 3, 9 | 37 | +28 | 34.5 | 40 | 5 | 80 | 16-pin MCM 5 x 5 x 1.3 |

Product Specifications

Amplifiers

High Efficiency Power Amplifiers (Continued)

| Part Number | Frequency (GHz) | Band | Typ. Gain (dB) | Power (dBm) | Power Added Efficiency (%) | iBW (MHz) | V _{DD} (V) | Typ. Quiescent Current (mA) | Package (mm) |
|--------------------|-----------------|-------------------|----------------|-------------|----------------------------|-----------|---------------------|-----------------------------|---------------------------|
| SKY66399-11 | 1.930–1.935 | 2, 25, 33, 36, 37 | 36.5 | +28 | 34 | 40 | 5 | 90 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66394-11 | 2.100–2.200 | 1, 4, 10, 23 | 36 | +28 | 35 | 40 | 5 | 105 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66397-12 | 2.570–2.690 | 38, 41, n41 | 35 | +28 | 35 | 40 | 5 | 95 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66288-11 | 5.150–5.925 | LTE-U, 46 | >30 | +28 | 20–25 | 40 | 5 | 95 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66312-11 | 2.300–2.400 | 30, 40 | 35 | +23 | 22 | 100 | 5 | 75 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66317-11 | 2.490–2.700 | 7, 38, 41, n41 | 38 | +28 | 34 @ 28 dBm | 100 | 5 | 90 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66313-11 | 3.400–3.600 | 22, 42 | 36 | +23 | 15 | 100 | 5 | 115 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66315-11 | 4.400–5.000 | n79 | 35 | +23 | 20 | 100 | 5 | 75 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66318-11 | 3.300–3.600 | 22, 42, n78 | 35 | +28 | 25 | 100 | 5 | 105 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66319-11 | 4.800–5.000 | China 5G, n79 | 35 | +28 | 23 | 100 | 5 | 100 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66395-11 | 4.400–5.000 | n79 | 36 | +30 | 20 | 100 | 5 | 210 | 16-pin MCM 5 x 5 x 1.3 |
| SKY66398-11 | 2.500–2.700 | n41 | 36 | +30 | 30 | 100 | 5 | 180 | 16-pin MCM 5 x 5 x 1.3 |

Low Noise Amplifiers

| Part Number | Frequency Range (GHz) | Test Frequency (GHz) | Gain (dB) | OIP3 (dBm) | OP _{1dB} (dBm) | V _{DD} (V) | Typ. Supply Current (mA) | Typ. NF (dB) | Package (mm) |
|----------------|-----------------------|--------------------------|------------------------------|--------------------------|----------------------------------|--------------------------|--------------------------|------------------------------|---------------------------|
| SKY67021-396LF | 0.6–1.2 | 0.9 | 17.5 | +40 | +21.7 | 5 | 100 | 0.6 | 8-pin DFN 2 x 2 x 0.75 |
| SKY67022-396LF | 1.6–2.2 | 1.85 | 17.5 | +39.5 | +22 | 5 | 95 | 0.65 | 8-pin DFN 2 x 2 x 0.75 |
| SKY67023-396LF | 2.0–3.0 | 2.6 | 17.3 | +39.5 | +19.5 | 5 | 100 | 0.89 | 8-pin DFN 2 x 2 x 0.75 |
| SKY67150-396LF | 0.3–2.2 | 0.45 1.9 | 23 14.5 | +36 +36.5 | +19 +18 | 5 | 82 | 0.45 0.38 | 8-pin DFN 2 x 2 x 0.75 |
| SKY67151-396LF | 0.7–3.8 | 0.849 1.840 3.600 | 26.0 20.5 16.5 | +34.5 +36.0 +36.0 | +21.5 +20.5 +18 | 5 | 80 70 80 | 0.25 0.35 0.70 | 8-pin DFN 2 x 2 x 0.75 |
| SKY67153-396LF | 0.7–3.8 | 0.849 2.500 3.600 | 26.0 19.0 16.5 | +34.5 +36.0 +36.0 | +21.5 +20.0 +18.0 | 5 | 80 72 80 | 0.25 0.50 0.70 | 8-pin DFN 2 x 2 x 0.75 |
| SKY67154-396LF | 0.7–3.8 | 2.5 | 19 | +38 | +21 | 5 | 72 | 0.55 | 8-pin DFN 2 x 2 x 0.75 |
| SKY67159-396LF | 0.2–6.0 | 0.7 2.7 3.8 3.5 | 17.5 17.0 16.5 14.0 | +31 +29 +27 +29 | +18.0 +16.0 +14.5 +15.5 | 3.3 3.3 3.3 5.0 | 45 | 0.95 1.00 1.30 1.70 | 8-pin DFN 2 x 2 x 0.75 |

Product Specifications

Amplifiers

Low Noise Amplifiers (Continued)

| Part Number | Frequency Range (GHz) | Test Frequency (GHz) | Gain (dB) | OIP3 (dBm) | OP _{1 dB} (dBm) | V _{DD} (V) | Typ. Supply Current (mA) | Typ. NF (dB) | Package (mm) |
|-----------------------|-----------------------|---|------------------------------|---------------------------------|---------------------------------|---------------------|--------------------------|---------------------------------|----------------------------|
| SKY67179-306LF | 1.5–3.8 | 2.6 | 34 | +35 | +18 | 5 | 113 | 0.65 | 16-pin QFN 4 x 4 x 0.90 |
| SKY67180-306LF | 1.5–3.8 | 2.6 3.5 | 34 31 | +36 +34 | +15 | 5 | 125 | 0.64 0.80 | 16-pin QFN 4 x 4 x 0.90 |
| SKY67113-11 | 1.7–2.7 | 2.7 | 12.5 | +37 | – | 5 | 107 | 5.15 | 36-pin SMT 6 x 6 x 0.95 |
| SKY67183-396LF | 0.4–6.0 | 1.7 2.5 3.6 4.5 | 23.0 21.5 18.0 17.5 | +33 +33 +28 +28 | +20 +20 +20 +19 | 5 | 56 | 0.45 0.40 0.45 0.50 | 8-pin DFN 2 x 2 |
| SKY67189-396LF | 0.4–6.0 | 0.4–1.1 1.1–2.2 2.2–2.7 2.7–3.8 3.8–6.0 | 22 22 22 22 20 | +36 +36 +36 +36 +34 | +20 +20 +19 +18 +19 | 3.3 | 75 | 0.6 0.7 0.7 0.7 1.0 | 8-pin DFN 2 x 2 |

Linear Power Amplifiers

| Part Number | Frequency (GHz) | Typ. Gain (dB) | OIP3 (dBm) | Output Power (dBm) | P _{1 dB} (dBm) | ACLR (5 MHz WCDMA) (dBc) | V _{DD} (V) | Typ. Quiescent Current (mA) | Package (mm) |
|-------------|-----------------|----------------|------------|--------------------|-------------------------|--------------------------|---------------------|-----------------------------|----------------------------|
| SKY66001-11 | 2.10–2.20 | 30 | +40 | +19 | +27 | < -48 | 4.2 | 57 | 10-pin MCM 3 x 3 x 0.9 |
| SKY66002-11 | 1.9–2.025 | 30 | +40 | +19 | +27 | < -48 | 4.2 | 60 | 10-pin MCM 3 x 3 x 0.9 |
| SKY66005-11 | 0.85–0.92 | 30 | +40 | +19 | +27 | < -48 | 4.2 | 46 | 10-pin MCM 3 x 3 x 0.9 |
| SKY66008-11 | 0.90–0.99 | 30 | +40 | +19 | +27 | < -48 | 4.2 | 48 | 10-pin MCM 3 x 3 x 0.9 |
| SKY66013-11 | 0.7–0.8 | 27.5 | +40 | +19 | +27 | < -48 | 4.2 | 46 | 10-pin MCM 3 x 3 x 0.9 |
| SKY66181-11 | 1.805–1.88 | 39 | +44 | +23 | +31 | < -48 | 3.3 | 360 | 28-pin MCM 5 x 5 x 1.25 |
| SKY66184-11 | 2.1–2.2 | 39 | +44 | +23 | +31 | < -48 | 3.3 | 400 | 28-pin MCM 5 x 5 x 1.25 |
| SKY66185-11 | 0.85–0.9 | 36.5 | +44 | +23 | +30 | < -48 | 3.3 | 130 | 28-pin MCM 5 x 5 x 1.25 |
| SKY66186-11 | 0.728–0.768 | 37 | +44 | +23 | +31 | < -48 | 3.3 | 125 | 28-pin MCM 5 x 5 x 1.25 |
| SKY66188-11 | 0.758–0.803 | 37 | +44 | +23 | +31 | < -48 | 3.3 | 155 | 28-pin MCM 5 x 5 x 1.25 |
| SKY66189-11 | 1.930–1.995 | 40 | +44 | +23 | +31 | < -48 | 3.3 | 370 | 28-pin MCM 5 x 5 x 1.25 |

Product Specifications

Circulators

Circulators for Wireless Infrastructure Applications

| Part Number | Frequency (MHz) | Band | Power (W) (Avg/Peak) | Insertion Loss (dB) | Isolation/Return Loss (dB) | IMD (dBc) | IMD Conditions | Rotation | Case Size (Inch / mm) | Package |
|--------------|-----------------|---------------|----------------------|---------------------|----------------------------|-----------|---------------------------------|----------|-----------------------|-----------------|
| SKYFR-001385 | 729–756 | 37 | 60 / 200 | 0.32 | 23 / 23 | -65 | 2 x 5 W CW Tones, 5 MHz Spacing | CW | 0.94 / 23.8 | SMT–Robust Lead |
| SKYFR-001723 | 758–788 | 14 | 80 / 250 | 0.38 | 23 / 18 | -52 | 2 x 20W CW Tones, 1 MHz spacing | CW | 0.61 / 15.5 | SMT–Robust Lead |
| SKYFR-000892 | 2400–2500 | | 80 / 500 | 0.3 | 23 / 21 | -60 | 2 x 25W CW Tones, 5 MHz spacing | CW | 0.61 / 15.5 | SMT–Robust Lead |
| SKYFR-001549 | 860–894 | 5,6,18,19 | 80 / 250 | 0.35 | 20 / 20 | -56 | 2 x 20W CW Tones, 1 MHz spacing | CW | 0.61 / 15.5 | SMT–Robust Lead |
| SKYFR-001387 | 1805–1880 | 39 | 20 / 100 | 0.25 | 20 / 20 | -60 | 2 x 5W CW Tones, 1 MHz spacing | CW | 0.40 / 10.2 | SMT–Robust Lead |
| SKYFR-001400 | 925–960 | 8 | 80 / 250 | 0.3 | 22 / 22 | -56 | 2 x 20W CW Tones, 1 MHz spacing | CW | 0.61 / 15.5 | SMT–Robust Lead |
| SKYFR-001505 | 1880–2025 | 2,25,33,36,37 | 70 / 500 | 0.3 | 21 / 22 | -60 | 2 x 20W CW Tones, 1 MHz spacing | CCW | 0.49 / 12.5 | SMT–Robust Lead |
| SKYFR-001388 | 1930–1995 | 2,25,33,36,37 | 20 / 100 | 0.25 | 20 / 20 | -60 | 2 x 5W CW Tones, 1 MHz spacing | CW | 0.40 / 10.2 | SMT–Robust Lead |
| SKYFR-001688 | 2110–2170 | 1,4,10,23 | 70 / 500 | 0.2 | 25 / 23 | -60 | 2 x 20W CW Tones, 1 MHz spacing | CW | 0.49 / 12.5 | SMT–Robust Lead |
| SKYFR-001739 | 2110–2200 | 23 | 20 / 100 | 0.25 | 20 / 20 | -60 | 2 x 5W CW Tones, 1 MHz spacing | CW | 0.40 / 10.2 | SMT–Robust Lead |
| SKYFR-001493 | 2300–2400 | 30,40 | 50 / 120 | 0.25 | 21 / 21 | -60 | 2 x 15W CW Tones, 1 MHz spacing | CW | 0.49 / 12.5 | SMT–Robust Lead |
| SKYFR-001685 | 2496–2690 | 7,38,41, n41 | 70 / 500 | 0.25 | 22 / 23 | -60 | 2 x 20W CW Tones, 1 MHz spacing | CW | 0.43 / 10.8 | SMT–Robust Lead |
| SKYFR-001692 | 3400–3600 | 22,42, n78 | 20 / 160 | 0.23 | 21 / 22 | -60 | 2 x 5W CW Tones, 1 MHz spacing | CW | 0.40 / 10.2 | SMT–Robust Lead |
| SKYFR-001709 | 3600–3800 | 43, n78 | 20 / 160 | 0.23 | 21 / 22 | -60 | 2 x 5W CW Tones, 5 MHz spacing | CW | 0.40 / 10.2 | SMT–Robust Lead |
| SKYFR-001705 | 4400–5000 | n79 | 50 / 200 | 0.35 | 21 / 21 | -60 | 2 x 20W CW Tones, 1 MHz spacing | CW | 0.49 / 12.5 | SMT–Robust Lead |
| SKYFR-001693 | 5150–5925 | LTE-U | 10 / 30 | 0.4 | 18 / 18 | -60 | 2 x 1W CW Tones, 1 MHz spacing | CW | 0.40 / 10.2 | SMT–Robust Lead |

Product Specifications

Switches

SPDT (SP2T) RF Switches

| Part Number | Description (Absorptive/ Reflective) | Frequency (GHz) | Typ. IL (dB) | Typ. Isol. (dB) | Typ. IIP3 (dBm) | Typ. IP _{0.1 dB} (dBm) | Max. Tx Power (W) | Package (mm) |
|----------------|--------------------------------------|-----------------|--------------|-----------------|-----------------|---------------------------------|-------------------|-------------------------------|
| SKY13286-359LF | SPDT (A) | 0.1–6.0 | 0.8–1.5 | 62–42 | +46 | +30 | 1 | 16-pin QFN 4 x 4 x 0.9 |
| SKY13370-374LF | SPDT (A) | 3.6 | 0.8 | 29 | +55 | +39 | +40 | 6-pin DFN 1.5 x 1.5 x 0.45 |
| SKY13372-467LF | SPDT (A) | 0.1–6.0 | 0.8–1.7 | 40–56 | +42 | +28 | 1 | 16-pin QFN 4 x 4 x 0.9 |
| SKY13373-460LF | SP3T (R) | 4.9 | 0.8 | 22 | +70 | +39 | +39 | 12-pin DFN 2 x 2 x 0.55 |
| SKY13380-350LF | SP4T (R) | 2.6 | 0.6 | 21 | +100 (IMD) | +39 | +40 | 16-pin QFN 3 x 3 x 0.75 |
| SKY13392-359LF | SP4T (A) | 0.02–4.0 | 0.9–1.5 | 60–46 | +47 | +30 | 1.5 | 16-pin QFN 4 x 4 x 0.9 |
| SKY13581-676LF | SPDT (A) | 0.4–3.8 | 0.35–0.6 | 25–36 | +66 | +35 | 2.5 | 9-pin QFN 1.1 x 1.1 x 0.5 |
| SKY13522-644LF | SPDT (A) | 0.7–6.0 | 0.6–0.9 | 35–53 | +57 | +32 | 0.5 | 8-pin QFN 1.1 x 1.1 x 0.45 |

High Power Switches

| Part Number | Description (Absorptive/ Reflective) | Frequency (GHz) | Typ. IL (dB) | Typ. Isol. (dB) | Typ. IIP3 (dBm) | Typ. IP _{0.1 dB} (dBm) | Max. Tx Power (W) | Package (mm) |
|-----------------------|--------------------------------------|-----------------|--------------|-----------------|-----------------|---------------------------------|-------------------|-------------------------------|
| SKY12245-492LF | SPDT (R) | 0.3–3.8 | 0.1–0.35 | 46–43 | +86 | +50 | 100 | 6-pin SC-70 2 x 1.25 x 0.9 |
| SKY12247-492LF | SPDT (R) | 3.4–3.8 | 0.3 | 40 | +86 | +50 | 100 | 12-pin QFN 2 x 2 x 0.55 |
| SKY12210-478LF | SPDT (R) | 0.9–3.4 | 0.4 | 44 | +78 | +49 | 100 | 16-pin QFN 4 x 4 x 1.5 |
| SKY12207-478LF | SPDT (R) | 0.9–4.0 | 0.4 | 42 | +78 | +47 | 50 | 16-pin QFN 4 x 4 x 1.5 |
| SKY12248-492LF | SPDT (R) | 2.6 | 0.3 | 40 | – | +50.2 | 120 | 20-pin QFN 5 x 5 x 1.5 |

Switch LNA Modules

| Part Number | Frequency (GHz) | Description | NF (dB) | Rx Isol. (dB) | Rx Gain (dB) | Tx IL (dB) | Tx. Isol. (dB) | Max. Tx Power (W) | Package (mm) |
|--------------------|-----------------|-------------|---------|---------------|--------------|------------|----------------|-------------------|---------------------------|
| SKY73217-31 | 3.4–3.8 | SPDT + LNA | 1.3 | 70 | 33 | 0.5 | 54 | 60 | 16-pin MCM 8 x 8 x 1.3 |
| SKY73218-11 | 3.7–4.2 | SPDT + LNA | 1.3 | 70 | 33 | 0.5 | – | 60 | 16-pin MCM 8 x 8 x 1.3 |

Product Specifications

Limiters

Limiter Modules

| Part Number | RF Test Freq. (GHz) | Typ. Insertion Loss (dB) Pin = 0 dBm | Typ. Return Loss (dB) Pin = 0 dBm | Typ. Threshold Level (dBm) | Max. Saturated Power (W) | Typ. Flat Leakage Power (dBm) | Package (mm) |
|-----------------------|---------------------|---|--------------------------------------|----------------------------|--------------------------|--|-------------------------------|
| SKY16601-555LF | 0.50–6.0 | 0.1 | 27.5 | +11 | 29 | 13 (Pin = +20 dBm) | 2-pin MLP 2.5 x 2.5 x 0.75 |
| SKY16602-632LF | 0.90 2.45 | 0.3 0.5 | 14 25 | +6 +5 | 30 23 | 6 (Pin = +10 dBm) 4 (Pin = +10 dBm) | DFN 2-pin 2.3 x 2.3 x 0.55 |
| SKY16603-632LF | 2.6 | 0.3 | 22 | +8 | 30 | 9 (Pin = +15 dBm) | DFN 2-pin 2.3 x 2.3 x 0.55 |

Attenuators

Digital Step Attenuators

| Part Number | Frequency (GHz) | Bits | LSB | P _{1dB} (dBm) | Attenuation (dB) | In Loss (dB) | IIP3 (dBm) | Package (mm) |
|----------------|-----------------|------|------|------------------------|------------------|--------------|------------|-------------------------------|
| SKY12408-321LF | 0.05–0.6 | 2/P | 6 | +34 | 12 | 0.3 | +49 | 12-pin QFN 3 x 3 |
| SKY12407-321LF | 0.05–0.60 | 2/P | 12 | +31 | 15 | 0.3 | +48 | 12-pin QFN 3 x 3 |
| SKY12355-337LF | 0.35–4.0 | 2/P | 6 | +28 | 12 | 0.45–0.75 | +47 | 12-pin QFN 3 x 3 x 0.75 |
| SKY12349-362LF | 0.7–4.0 | 5/S | 0.5 | +32 | 18 | 1.2–2.0 | +42 | 24-pin QFN 4 x 4 x 0.9 |
| SKY12348-350LF | 0.1–3.0 | 4/P | 1 | +30 | 7 | 0.8–1.2 | +45 | 16-pin QFN 3 x 3 x 0.75 |
| SKY12345-362LF | 0.7–4.0 | 5/S | 0.5 | +32 | 15.5 | 1.2–2.0 | +42 | 24-pin QFN 4 x 4 x 0.9 |
| SKY12343-364LF | 0.01–4.0 | 7/P | 0.25 | +35 | 15.5 | 1.8–1.9 | +50 | 32-pin QFN 5 x 5 x 0.9 |
| SKY12340-364LF | 0.3–2.0 | 5/S | 0.5 | +30 | 31 | 1.4–1.8 | +45 | 32-pin QFN 5 x 5 x 0.9 |
| SKY12329-350LF | 0.4–4.0 | 5/P | 1 | +29 | 31 | 1.2–2.7 | +39 | 16-pin QFN 3 x 3 x 0.75 |
| SKY12325-350LF | 0.5–6.0 | 3/P | 1 | +27 | 15.5 | 0.7–1.3 | +47 | 16-pin QFN 3 x 3 x 0.75 |
| AA116-72LF | LF–2.0 | 1/P | 15 | +20 | 31.75 | 0.35–0.4 | +41 | SOT-23 5L 2.8 x 2.9 x 1.18 |



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