

Switches

Features

- Wide variety of switch offerings including SPST, SPDT, SP3T, SP4T, DPDT
- Wide variety of package options from 1.1 x 1.1 mm to 20-lead QFNs, and several low profile 0.45 mm typ. height
- Individual switch features include low loss, high isolation, high power handling, high linearity, low supply voltage, and more
- All available switches are lead (Pb)-free and RoHS-compliant. Some products are available Green™.








Description


Skyworks offers switch solutions for all RF applications. These high quality parts can be found in handsets, mobile infrastructure, WLAN systems, GPS systems, automobiles, radar, and much more. Most of the products are fabricated in our GaAs pHEMT and GaAs MESFET facilities. All switches are packaged in industry-standard, plastic surface-mount packages.

Switches

Low Frequency—6 GHz Plastic Packaged—SPDT




Part Number	Frequency ⁽¹⁾ (GHz)	Typ. IL (dB)	Typ Isol. (dB)	Typ. IIP3 (dBm)	Typ. IP _{1dB} (dBm)	Absorptive/ Reflective	Package (mm)
AS179-92LF	LF-3.0	0.3-0.4	25-23	48	30	R	SC-88 2 x 2.2 x 0.95
AS211-334	LF-4.0	0.3-0.60	26-22	50	34	R	LGA-6 1.5 x 1.2 x 0.82
 SKY13270-92LF	0.1-2.5	0.3-0.55	30-17	56	37 @ 0.1 dB	R	SC-88 2 x 2.2 x 0.95
SKY13286-359LF	0.1-6.0	0.8-1.50	62-42	46	30	A	QFN-16 4 x 4 x 0.9
SKY13290-313LF	0.5-2.5	0.4-0.55	26-18	63	40.5 @ 0.1 dB	R	QFN-6 2 x 3 x 0.9
SKY13299-321LF	0.1-4.0	0.3-0.65	30-29	60	38.5 @ 0.1 dB	R	QFN 12 3 x 3 x 0.75
SKY13306-313LF	0.1-6.0	0.4-0.55	26-18	53	35 @ 0.1 dB	R	QFN-6 2 x 3 x 0.9
 SKY13314-374LF	0.1-6.0	0.2-0.6	50-21	47	31	R	QFN-6 1.5 x 1.5 x 0.45
 SKY13320-374LF	0.1-6.0	0.4-0.55	26-18	53	35 @ 0.1 dB	R	QFN-6 1.5 x 1.5 x 0.45
 SKY13321-360LF	0.5-2.5	0.4-0.55	26-18	63	40.5 @ 0.1 dB	R	QFN-8 2 x 2 x 0.9
 SKY13323-378LF	0.1-6.0	0.2-0.5	50-22	48	30	R	QFN-6 1.0 x 1.0 x 0.45

1. LF = low frequency 300 kHz.

 Skyworks Green™ products are lead (Pb)-free, Restriction of Hazardous Substances (RoHS)-compliant, conform to the EIA/EICTA/JEITA Joint Industry Guide (JIG) Level A guidelines, and are free from antimony trioxide, and brominated flame retardants.

Switches

Low Frequency—6 GHz Plastic Packaged and Chip—Multiport

Part Number	Frequency ⁽¹⁾ (GHz)	Description (Absorptive/ Reflective)	Typ. IL (dB)	Typ Isol. (dB)	Typ. IIP3 (dBm)	Typ. IP _{1dB} (dBm)	Package (mm)
AS218-321LF	LF-6.0	DPDT (R)	1.2-1.6	28-19	47	33	QFN 12 3 x 3 x 0.75
AS236-321LF	LF-6.0	DPDT (R)	0.95-1.15	22-15	56	34	QFN 12 3 x 3 x 0.75
SKY13267-321LF	2.4-6.0	DPDT (R)	0.7-0.9	32-20	49	28	QFN 12 3 x 3 x 0.75
 SKY13318-321LF	0.1-6.0	DPDT (R)	0.95-1.15	22-15	56	34	QFN 12 3 x 3 x 0.75
SKY13309-370LF	LF-3.0	SP3T (R)	0.5-0.6	25	50	29	QFN-8 2 x 2 x 0.9
 SKY13317-373LF	0.1-6.0	SP3T (R)	0.5-0.6	25	50	29	QFN-8 1.5 x 1.5 x 0.45
AS204-80LF	LF-3.0	SP4T (A)	0.4-0.9	45-25	40	26	SSOP-16 5 x 6 x 1.7
AS221-306LF	0.1-2.5	SP4T (R)	0.6-1.1	34-22	55	36	QFN-16 4 x 4 x 0.9
 SKY13322-375LF	0.1-6.0	SP4T (R)	0.5-1.3	50-24	47	30	QFN-10 2 x 3 x 0.45

1. LF = low frequency 300 kHz.

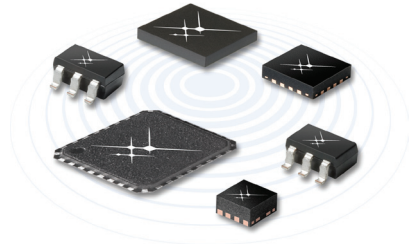


Skyworks Green™ products are lead (Pb)-free, Restriction of Hazardous Substances (RoHS)-compliant, conform to the EIA/EICTA/JEITA Joint Industry Guide (JIG) Level A guidelines, and are free from antimony trioxide, and brominated flame retardants.

Digital Attenuators

Features

- 1-bit to 6-bit
- Attenuations of 10 dB to 32 dB
- Step sizes from 0.5 dB to 32 dB
- SPI or parallel control interface
- Frequency ranges up to 4 GHz
- All available switches are lead (Pb)-free and RoHS-compliant. Some products are available Green™.





Description

Skyworks offers more than 40 attenuators for all RF applications. Our parts can be found in handsets, mobile infrastructure, WLAN systems, GPS systems, automobiles, radar, and much more. These products are fabricated in our GaAs pHEMT, GaAs MESFET, and silicon facilities and packaged in industry-standard, plastic surface-mount packages.

Digital Attenuators

Low Frequency—6 GHz Plastic Packaged Digital Attenuators

Part Number	Frequency ⁽¹⁾ (GHz)	Control Bits/ Interface Parallel/ Serial	Attenuation Range (dB)	Typ. P _{1dB} (dBm)	LSB Attenuation (dB)	Typ. IP3 (dBm)	Typ. IL (dB)	Package (mm)
AA103-72LF	LF-2.5	1/P	10	20	10.0	41	0.3-0.4	SOT-5 2.6 x 2.9 x 1.3
AA104-73LF	LF-2.5	1/P	32	21	32.0	41	0.8-1.0	SOT-6 2.7 x 2.9 x 1.2
AA116-72LF	LF-2.0	1/P	15	20	15.0	41	0.35-0.4	SOT-5 2.6 x 2.9 x 1.3
 SKY12406-360LF	0.05-0.60	1/P	12	25	12.0	50	0.2-0.35	QFN-8 2 x 2 x 0.9
SKY12324-73LF	0.5-3.0	2/P	12	30	4.0	43	0.9-1.3	SOT-6 2.7 x 2.9 x 1.2
SKY12325-350LF	0.5-6.0	3/P	7	27	1.0	47	0.7-1.3	QFN-16 3 x 3 x 0.75
SKY12322-86LF	0.5-4.0	5/P	15.5	27	0.5	45	1.4-3.0	MSOP-10EP 4.9 x 3 x 0.9
SKY12323-303LF	0.5-3.0	5/P	31	30	1.0	48	1.4-2.3	MSOP-10EP 4.9 x 3 x 0.9
SKY12329-350LF	0.4-4.0	5/P	31	31	1.0	41	1.2-2.7	QFN-16 3 x 3 x 0.75
SKY12328-350LF	0.5-4.0	5/P	15.5	30	0.5	42	1.1-2.3	QFN-16 3 x 3 x 0.75
 SKY12334-362LF	0.5-4.0	5/S	15.5	31	0.5	46	1.1-2.3	QFN-24 4 x 4 x 0.9

1. LF = low frequency 300 kHz.



Skyworks Green™ products are lead (Pb)-free, Restriction of Hazardous Substances (RoHS)-compliant, conform to the EIA/EICTA/JEITA Joint Industry Guide (JIG) Level A guidelines, and are free from antimony trioxide, and brominated flame retardants.