

Digital Attenuators

Select Digital Attenuators Available from Stock for Prototype or High Volume Production

- High Attenuation Range and Accuracy
- Broadband GaAs 1 Bit–7 Bit Designs
- Low Cost, Small Form Factor Packaging
- Integrated CMOS Controllers for Low Current and Low Frequency Operation
- Integrated Serial Port Interface (SPI) and Decode Functions
- Monotonic Step Response with Flat Broadband Attenuation
- Low Reference Insertion Loss and High IIP3

Digital Attenuators for IF/UHF/VHF and Broadband RF Applications

Frequency Range	Number of Bits	Least Significant Bit (dB)	Control Interface	Maximum Attenuation (dB)	Typical Insertion Loss (dB)	Typical IIP3 (dBm)	Package (mm)	Part Number <i>New Products</i>
LF–2500 MHz	1	10	Parallel	10	0.3	41	SOT-23 5L 2.9 x 2.7 x 1.16	AA103-72LF
50–600 MHz	1	12	Parallel	12	0.3	46	DFN 8L 2 x 2 x 0.9	 SKY12406-360LF
50–600 MHz	1	12	Parallel	12 (100 Ω Differential I/O)	0.3	48	QFN 12L 3 x 3 x 0.75	 SKY12407-321LF
4–2000 MHz	1	15	Parallel	15	0.35	41	SOT-23 5L 2.9 x 2.7 x 1.16	AA116-72LF
LF–2500 MHz	1	32	Parallel	32	0.9	41	SOT-23 6L 2.9 x 2.7 x 1.16	AA104-73LF
500–4000 MHz	2	4	Parallel	12	0.9–1.3	43	SOT-23 6L 2.9 x 2.7 x 1.16	SKY12324-73LF
350–4000 MHz	2	6	Parallel	18	0.55–1.3	45	QFN 12L 3 x 3 x 0.9	 SKY12338-337LF
500–4000 MHz	3	1	Parallel	7	0.7–1.3	47	QFN 16L 3 x 3 x 0.75	SKY12325-350LF
100–3000 MHz	4	1	Parallel	15	0.8–1.2	45	QFN 16L 3 x 3 x 0.75	 SKY12348-350LF
300–2000 MHz	5	0.5	SPI	15.5	1.4–1.8	45	QFN 32L 5 x 5 x 0.9	 SKY12340-364LF
500–4000 MHz	5	0.5	Parallel	15.5	1.4–3.0	45	MSOP 10L 5 x 3 x 1.1	SKY12322-86LF
500–3000 MHz	5	1	Parallel	31	1.4–2.3	48	MSOP 10L 5 x 3 x 1.1	SKY12323-303LF
500–4000 MHz	5	0.5	Parallel	15.5	1.1–2.3	45	QFN 12L 3 x 3 x 0.9	SKY12328-337LF
400–3000 MHz	5	1	Parallel	31	1.2–2.0	39	QFN 16L 3 x 3 x 0.75	 SKY12339-350LF
700–4000 MHz	5	0.5	SPI	15.5	1.2–2.0	42	QFN 24L 4 x 4 x 0.9	 SKY12345-362LF
LF–3000 MHz	6	0.5	SPI or Parallel	31.5	1.2–2.0	50	QFN 24L 4 x 4 x 0.9	 SKY12347-362LF
100–4000 MHz	7	0.25	SPI or Parallel	31.75	1.8	50	QFN 32L 5 x 5 x 0.9	 SKY12343-364LF

 Skyworks Green™ products are compliant to all applicable materials legislation and are halogen-free. For additional information, refer to Skyworks Definition of Green™, document number SQ04-0074.

All parts are lead (Pb)-free and RoHS-compliant.

Samples and Evaluation Boards Available at www.skyworksinc.com

