

Waveform Generation



Item	DAC	Function	Number of Bits	Number of Channels	Clock Range ¹		Output Signal Frequency Range ²		Nyquist Zones	NSD ³ (dBm/Hz)	Interface
					Min (MHz)	Max (MHz)	Min (MHz)	Max (MHz)			
ASM-00111-00 <i>Single Channel 3.6 GHz AWG</i>	AD9129	AWG	14	1	1400	2400	1	3600	1, 2, 3	-157	JESD204
ASM-00113-00 <i>Single Channel 1.4 GHz DDS</i>	AD9915	DDS	12	1	500	2880	1	1440	1	-128	LVDS Parallel
ASM-00118-01 <i>Quad Channel DC-coupled 500 MHz AWG</i>	AD9783	AWG	16	4	-	500	DC	500	1, 2	-157	LVDS Parallel
ASM-00122-00 <i>Dual Channel 575 MHz AWG</i>	AD9139	AWG	14	2	160	1200	1	575	1	-164	LVDS Parallel
ASM-00123-00 <i>Single Channel 7.5 GHz AWG</i>	AD9164	AWG	16	1	1500	6000	1	7500	1,2,3	-167	JESD204

¹ Integer multiples of 10 MHz -Some cards require multiples of 80 MHz.

² Appropriate guard band should be planned for around edges of Nyquist zones.

³ NSD is the noise spectral density. NSD will increase across Nyquist zones.



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