

AD9144 DATA SHEET SPECIFICATIONS CHANGES

FROM: REV 0 DATA SHEET

JESD204B SERIAL INTERFACE SPEED SPECIFICATIONS

AVDD33 = 3.3 V, SIOVDD33 = 3.3 V, IOVDD = 1.8 V, DVDD12 = 1.2 V, CVDD12 = 1.2 V, PVDD12 = 1.2 V, SVDD12 = 1.2 V, $V_{TT} = 1.2$ V, $T_A = -40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$, $I_{OUTFS} = 20$ mA, unless otherwise noted.

Table 1.

Parameter	Test Conditions/Comments	Min	Typ	Max	Unit
HALF RATE	SVDD12 = 1.2 V \pm 5%	5.65		8.92	Gbps
	SVDD12 = 1.2 V \pm 2%	5.65		9.42	Gbps
	SVDD12 = 1.3 V \pm 2%	5.65		10.64	Gbps
FULL RATE	SVDD12 = 1.2 V \pm 5%	2.83		4.63	Gbps
	SVDD12 = 1.2 V \pm 2%	2.83		4.93	Gbps
	SVDD12 = 1.3 V \pm 2%	2.83		5.52	Gbps
OVERSAMPLING	SVDD12 = 1.2 V \pm 5%	1.42		2.31	Gbps
	SVDD12 = 1.2 V \pm 2%	1.42		2.46	Gbps
	SVDD12 = 1.3 V \pm 2%	1.42		2.76	Gbps

TO: REV A DATA SHEET

JESD204B SERIAL INTERFACE SPEED SPECIFICATIONS

AVDD33 = 3.3 V, SIOVDD33 = 3.3 V, IOVDD = 1.8 V, DVDD12 = 1.2 V, CVDD12 = 1.2 V, PVDD12 = 1.2 V, SVDD12 = 1.2 V, $V_{TT} = 1.2$ V, $T_A = -40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$, $I_{OUTFS} = 20$ mA, unless otherwise noted.

Table 2.

Parameter	Test Conditions/Comments	Min	Typ	Max	Unit
HALF RATE	SVDD12 = 1.2 V \pm 5%	5.75		8.92	Gbps
	SVDD12 = 1.2 V \pm 2%	5.75		9.42	Gbps
	SVDD12 = 1.3 V \pm 2%	5.75		10.64	Gbps
FULL RATE	SVDD12 = 1.2 V \pm 5%	2.88		4.63	Gbps
	SVDD12 = 1.2 V \pm 2%	2.88		4.93	Gbps
	SVDD12 = 1.3 V \pm 2%	2.88		5.52	Gbps
OVERSAMPLING	SVDD12 = 1.2 V \pm 5%	1.44		2.31	Gbps
	SVDD12 = 1.2 V \pm 2%	1.44		2.46	Gbps
	SVDD12 = 1.3 V \pm 2%	1.44		2.76	Gbps