



	Min	Typ	Max	Unit
Operating Ambient Temperature		-40		85 °C
USB bus voltage		3	5	5.25 V
Operating current			12	mA
ADC Input Voltage		0		3.6 V
ADC Input Capacitance			20	pF
ADC Integral Nonlinearity			1	2.3 LSB
ADC Differential Nonlinearity			0.7	1.9 LSB
ADC Offset Error		-3	0	3 LSB
ADC 1.65V Reference	1.62	1.65	1.68	V
ADC 2.4V Reference	2.35	2.4	2.45	V
ADC 1.85V Reference	1.78	1.85	1.92	V
ADC 3.7V Reference	3.56	3.7	3.84	V
Absolute Maximum Drive Current				100 mA
Absolute Maximum Total Current				400 mA
Output high impedance				100 Ω
Output low impedance				44 Ω
Input High Threshold		2.7		V
Input Low Threshold				0.6 V
Input Capacitance			7	pF
Input Pull-Up	110	165	330	kΩ
Absolute Maximum Input Voltage				5.8 V