ANALOG DEVICES

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ADF41510 Data Sheet Change Comparison

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I_{DD1}[1]	2	3.2	mA	Current drawn by AV_{DD1}
I_{DD2}[1]	63.5	88	mA	Current drawn by AV_{DD2}
I_{DD3}[1]	2.1	3.6	mA	Current drawn by AV_{DD3}
I_{DD4}[1]	1.45	2	mA	Current drawn by AV_{DD4}
I_{DD5}[1]	20	25	mA	Current drawn by AV_{DD5}
I_P	6	7	mA	Current drawn by V_P
I_{TOTAL}	95.1	128.8	mA	Total current drawn by AV_{DDx} and V_P
Power-Down Mode		100	µA	T_A = 25°C, CE is low, total of all rails

[1] T_A = 25°C, AV_{DDx} = 3.3 V (where x = 1, 2, 3, or 4), f_{RFIN} = 10 GHz, REF_{IN} = 100 MHz, PFD frequency input (f_{PFD}) = 100 MHz.

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I_{DD1}[1]	1.9	2.2	mA	Current drawn by AV_{DD1}
I_{DD2}[1]	60.5	78	mA	Current drawn by AV_{DD2}
I_{DD3}[1]	2.6	3	mA	Current drawn by AV_{DD3}
I_{DD4}[1]	1.3	1.6	mA	Current drawn by AV_{DD4}
I_{DD5}[1]	15	17	mA	Current drawn by AV_{DD5}
I_P[1]	5.7	6.2	mA	Current drawn by V_P
I_{TOTAL}[1]	87	108	mA	Total current drawn by AV_{DDx} and V_P
Power-Down Mode		100	µA	T_A = 25°C, CE is low, total of all rails

[1] Typ is at T_A = 25°C, max is at T_A = across Temperature, AV_{DDx} = 3.3 V (where x = 1, 2, 3, or 4), f_{RFIN} = 10.001 GHz, REF_{IN} = 100 MHz, PFD frequency input (f_{PFD}) = 100 MHz.