

**TABLE 2—POWER-SUPPLY PARAMETERS WITH ALL 3- $\mu$ F CAPACITORS**

$V_{OUT}$ (V)	$I_{OUT}$ (mA)	$P_{OUT}$ (mW)	$I_{IN}$ at $V_{IN}=3.3V$ (mA)	$P_{IN}$ (mW)	Efficiency (%)	$V_{OUT}$ low-dropout regulator (V)	$V_{RIPPLE}$ (mV p-p)
4.99	10	49.9	20.37	68.8	74.2	2.63	154
4.99	20	99.8	40.4	133.3	74.9	2.76	104
4.98	30	149.4	60.6	200	74.7	2.89	154
4.93	40	197.2	80.5	265.7	74.2	3.02	192
4.9	45	220.5	90.5	298.7	73.8	3.09	214