



1 mSEC/DIV

TRACE	DESCRIPTION	SCALE
A	POWER-SUPPLY VOLTAGE	5V/DIV
B	LT1431 OUTPUT	5V/DIV
C	IC <sub>1</sub> OUTPUT	2V/DIV
D	Q <sub>1</sub> EMITTER	2V/DIV
E	LASER CURRENT	50 mA/DIV

**Figure 4** Power-supply start-up waveforms for Figure 3 show the 3-msec ramp on the 5V rail. The self-enable circuit prevents spurious IC<sub>1</sub> outputs during this period from corrupting the laser current.