



500  $\mu$ SEC/DIV

TRACE	DESCRIPTION	SCALE
A	PROGRAMMING INPUT	2V/DIV
B	$Q_2$ EMITTER	1V/DIV
C	$IC_2$ OUTPUT	5V/DIV
D	$IC_1$ + INPUT	1V/DIV
E	LASER CURRENT	100 mA/DIV

**Figure 8** When the programming input in Figure 3 exceeds the clamp threshold,  $IC_2$  swings abruptly, which causes  $Q_2$ 's emitter to clamp.  $IC_1$ 's + input remains at this clamp level, which maintains a safe amount of laser current.