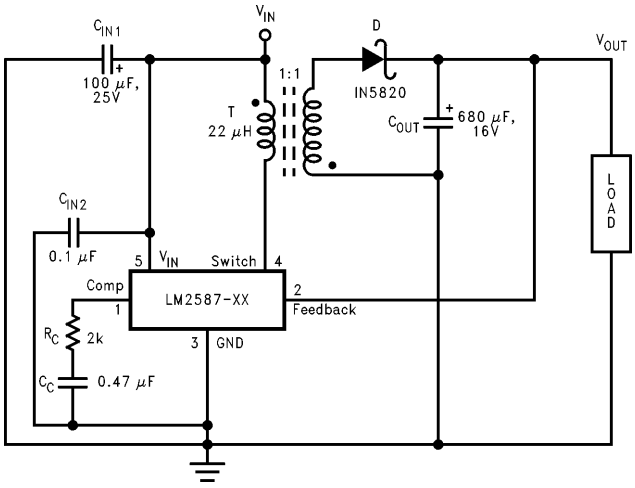
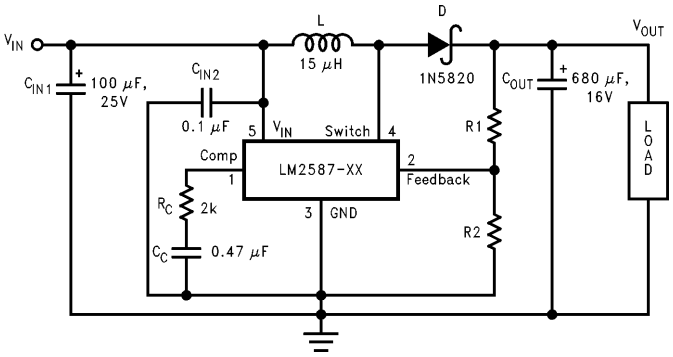
Test Circuits



C_{IN1}—100 μF, 25V Aluminum Electrolytic
C_{IN2}—0.1 μF Ceramic
T—22 μH, 1:1 Schott #67141450
D—1N5820
C_{OUT}—680 μF, 16V Aluminum Electrolytic
C_C—0.47 μF Ceramic
R_C—2k

TL/H/12316–8

FIGURE 2. LM2587-3.3 and LM2587-5.0



C_{IN1}—100 μF, 25V Aluminum Electrolytic
C_{IN2}—0.1 μF Ceramic
L—15 μH, Renco #RL-5472-5
D—1N5820
C_{OUT}—680 μF, 16V Aluminum Electrolytic
C_C—0.47 μF Ceramic
R_C—2k
For 12V Devices: R_1 = Short (0Ω) and R_2 = Open
For ADJ Devices: R_1 = 48.75k, ±0.1% and R2 = 5.62k, ±1%

TL/H/12316–9

FIGURE 3. LM2587-12 and LM2587-ADJ