

Typical Performance Curves

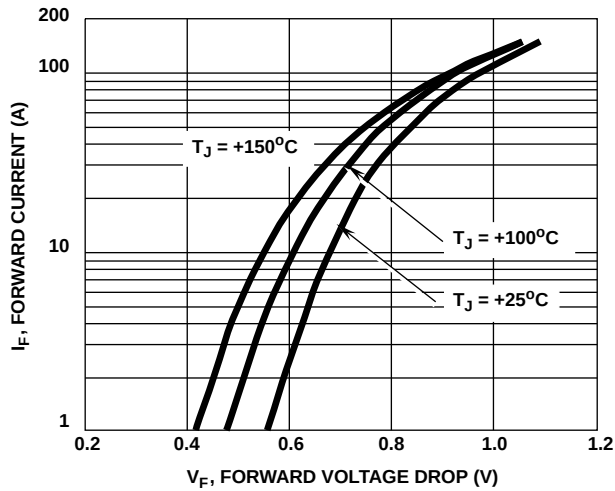


FIGURE 3. TYPICAL FORWARD CURRENT vs FORWARD VOLTAGE DROP

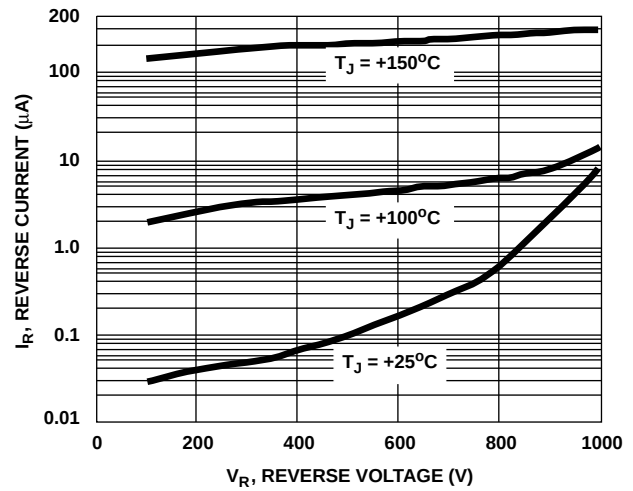


FIGURE 4. TYPICAL REVERSE CURRENT vs VOLTAGE

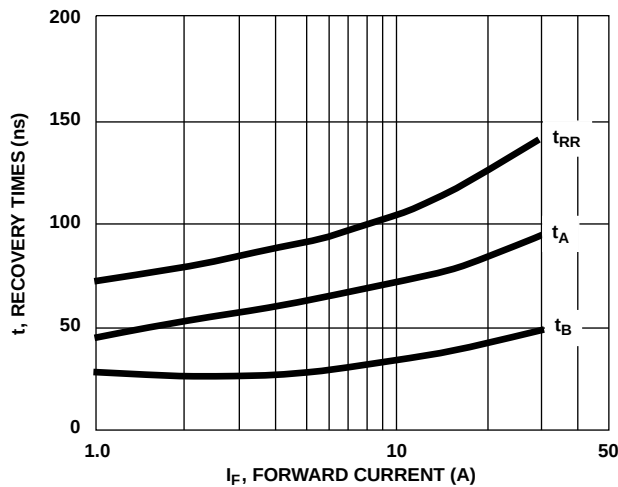


FIGURE 5. TYPICAL t_{RR} , t_A AND t_B CURVES vs FORWARD CURRENT

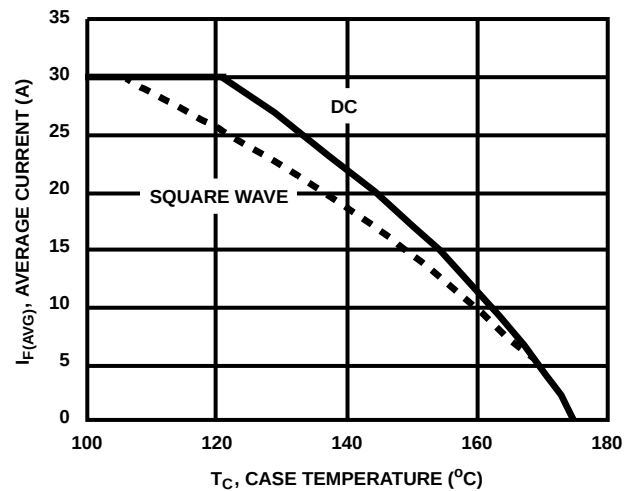


FIGURE 6. CURRENT DERATING CURVE FOR ALL TYPES

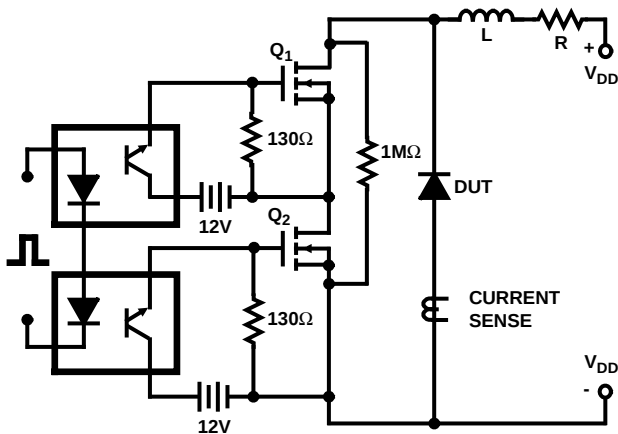


FIGURE 7. AVALANCHE ENERGY TEST CIRCUIT

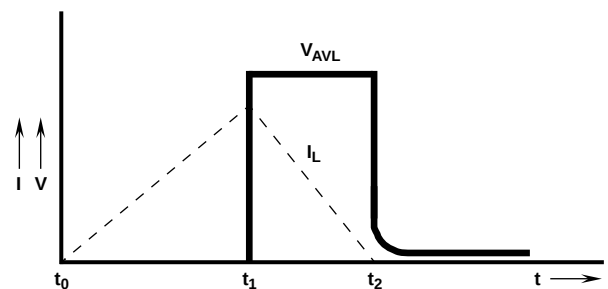


FIGURE 8. AVALANCHE CURRENT AND VOLTAGE WAVEFORMS

$$I_{MAX} = 1A, L = 40mH, R < 0.1\Omega, E_{AVL} = 1/2LI^2 [V_{AVL}/(V_{AVL} - V_{DD})], Q_1 \& Q_2 \text{ ARE } 1000V \text{ MOSFETS}$$