G.T.O. NOTES

Note 1 First 2 numbers represent the ITGQ, xx the voltage grade, 'F' indicates high frequency types.

Note 2 If reverse voltage greater than 100V is required, suffix 'R' must be used, followed by the reverse voltage grade, (up to the maximum stated above).

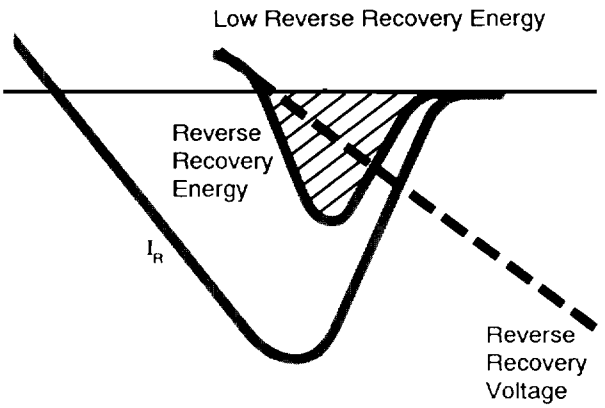
Example WG5025R20 - 500A ITGQ, 2500 VDRM and 2000 VRRM.

For higher values of ITGQ or higher voltage - contact Westcode Sales.

For more information on Westcode Fast Recovery Diodes, consult the Shortform Design Guide.

DIODE NOTES

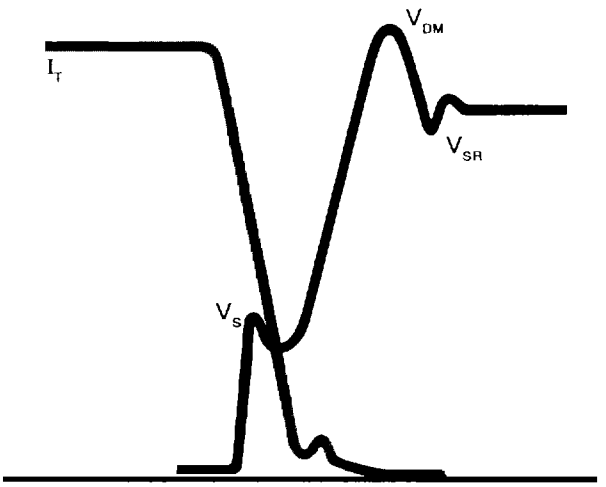
ANTI-PARALLEL DIODE TURN-OFF



Anti-Parallel

As diodes anti-parallel with G.T.O.s have large (snubber) capacitors across them, they need to be able to recover with an inhibited dv/dt caused by these capacitors. Westcode types indicated are specially designed to have low recovery losses in this arduous condition, as well as low $V_{FR.}$

SNUBBER GTO TURN-OFF



Snubber

Designed to have low dynamic forward recovery voltage (V_{FR}) to limit the period of unrestrained dv/dt during G.T.O. turn-off, which causes high peak energies. In addition, the recovery characteristics are soft, such that the dv/dt of the rise of anode voltage is restrained to avoid the possibility of the G.T.O. re-triggering.