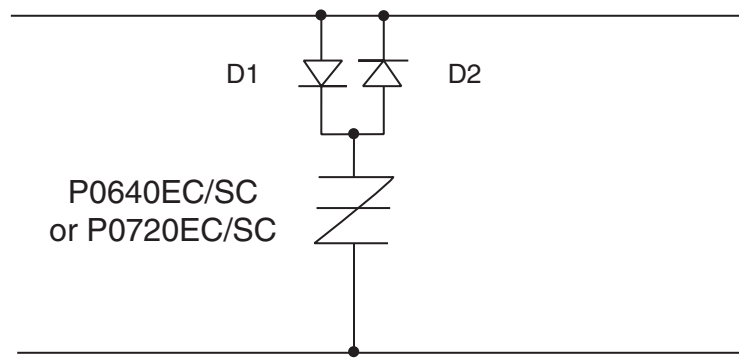


### T3 PROTECTION



The capacitance across the pair of wires = ( D1 || D2 ) + P0640EC/SC. The diode capacitance is approximately (10 pF || 10 pF) 20 pF. Then adding the capacitive effect of the P0640EC/SC, which is typically 120 pF, the total capacitance across the pair of wires is approximately 17 pF. The MUR 1100E diodes (the MURS160T3 is a surface mount equivalent) are fast switching diodes that will exhibit this level of capacitance.