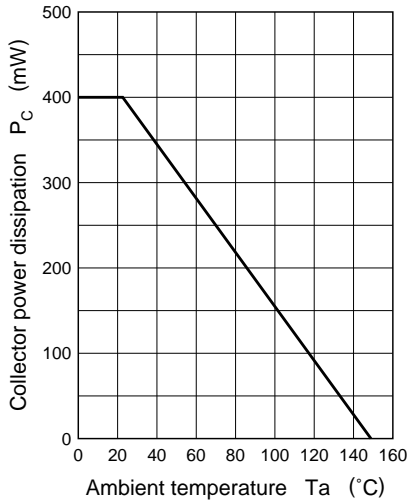
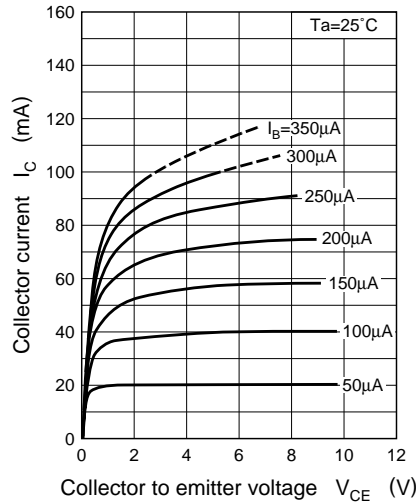




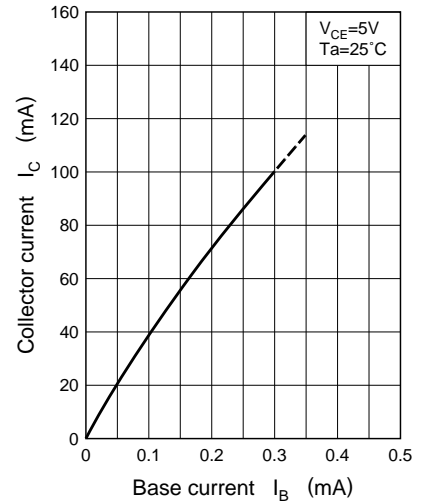
$P_C - T_a$



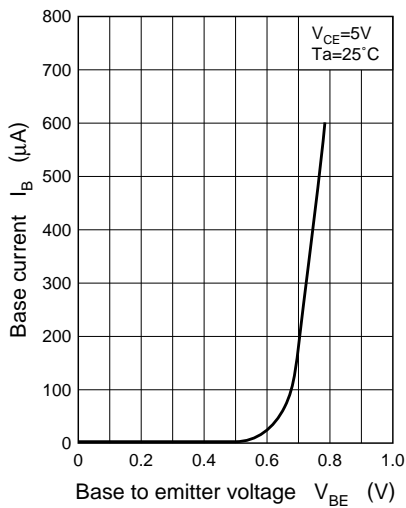
$I_C - V_{CE}$



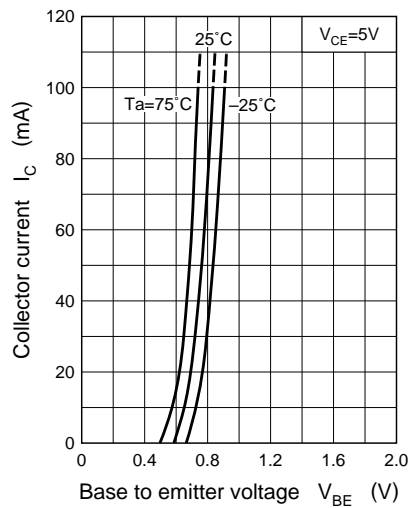
$I_C - I_B$



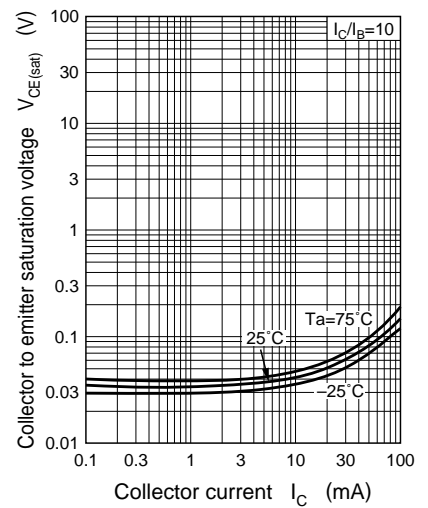
$I_B - V_{BE}$



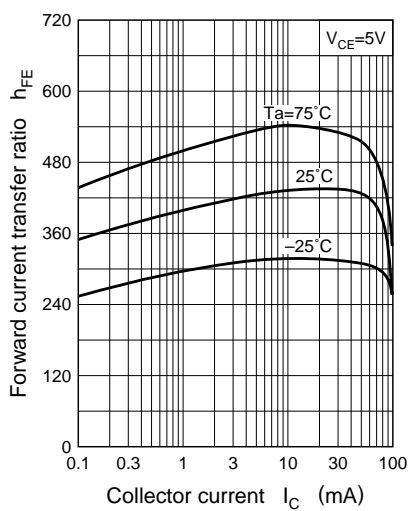
$I_C - V_{BE}$



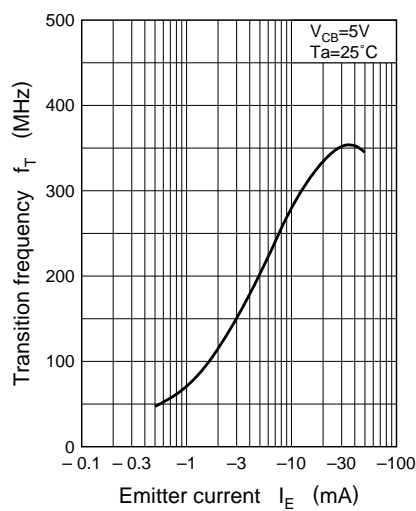
$V_{CE(sat)} - I_C$



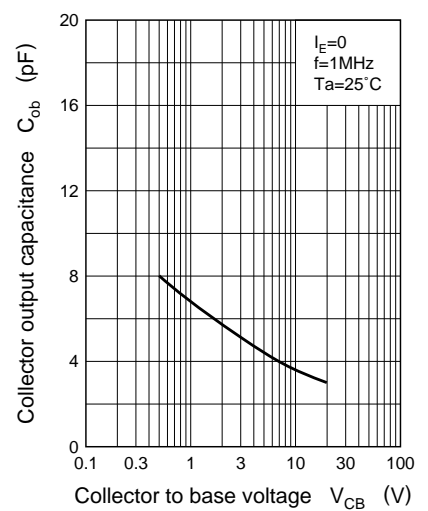
$h_{FE} - I_C$



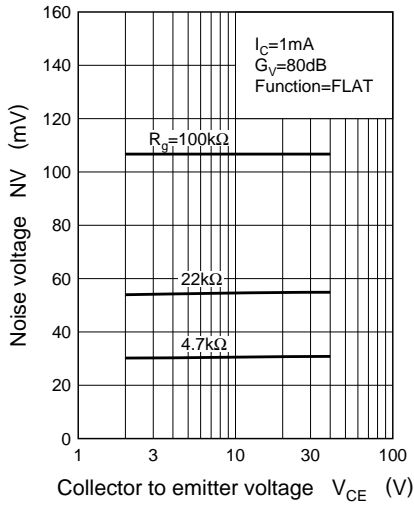
$f_T - I_E$



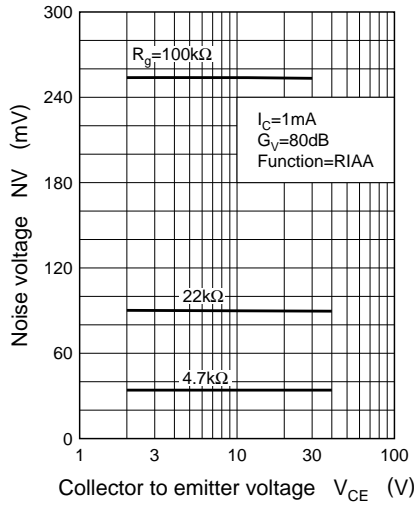
$C_{ob} - V_{CB}$



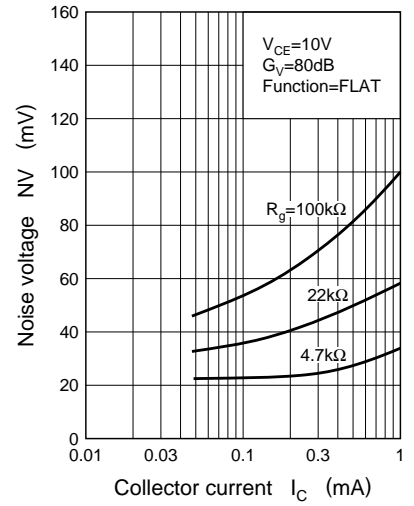
NV —  $V_{CE}$



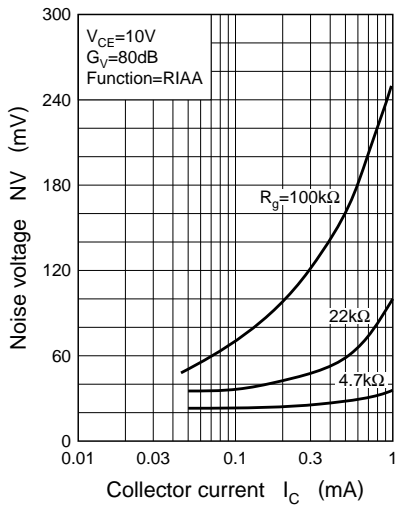
NV —  $V_{CE}$



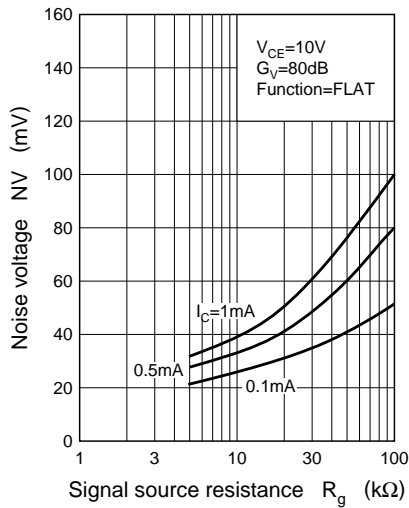
NV —  $I_C$



NV —  $I_C$



NV —  $R_g$



NV —  $R_g$

