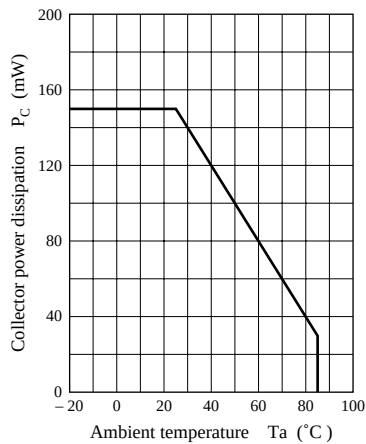
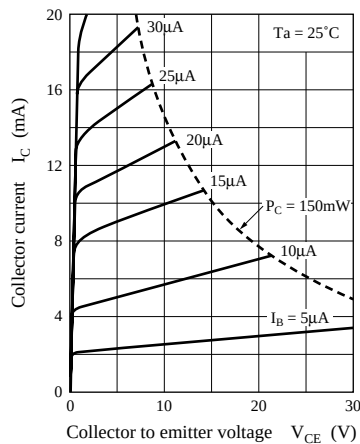


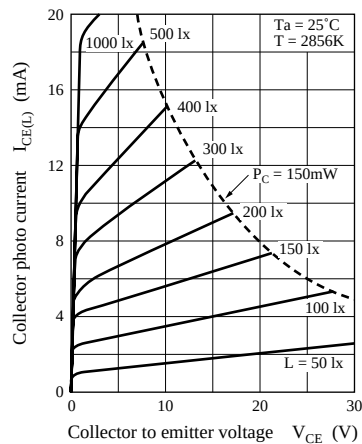
$P_C - T_a$



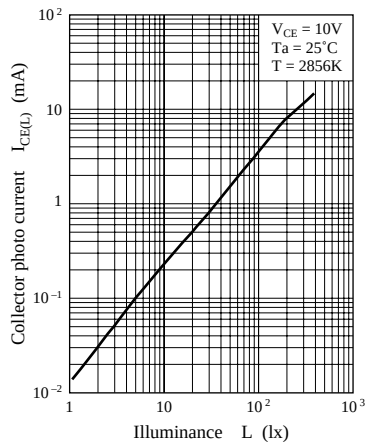
$I_C - V_{CE}$



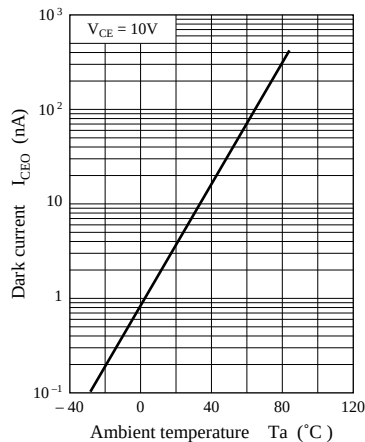
$I_{CE(L)} - V_{CE}$



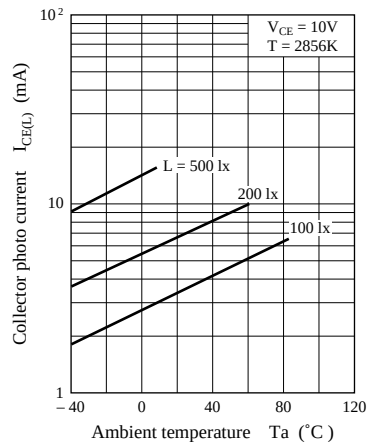
$I_{CE(L)} - L$



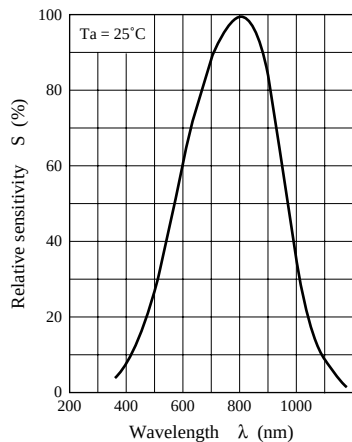
$I_{CEO} - T_a$



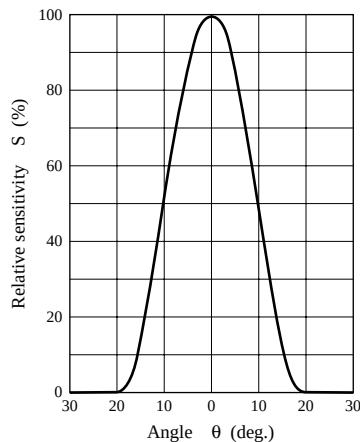
$I_{CE(L)} - T_a$



Spectral sensitivity characteristics



Directivity characteristics



$t_r - I_{CE(L)}$

