

Electrical characteristic curves

Fig.10 Typical capacitance store energy

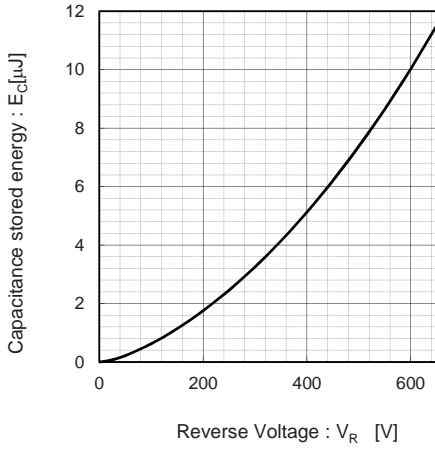
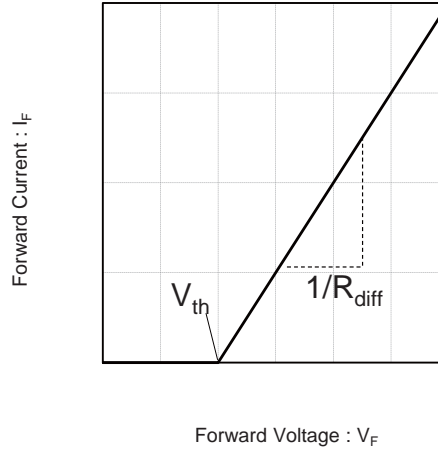


Fig.11 Equivalent forward current curve



$$V_F = V_{th} + R_{diff} I_F$$

$$V_{th}(T_j) = a_0 + a_1 T_j$$

$$R_{diff}(T_j) = b_0 + b_1 T_j + b_2 T_j^2$$

Symbol	Typical Value	Unit
a_0	9.66E-01	V
a_1	-1.10E-03	V/°C
b_0	3.52E-02	Ω
b_1	7.46E-05	$\Omega/^\circ\text{C}$
b_2	7.68E-07	$\Omega/^\circ\text{C}^2$

T_j in °C; $-55\text{ }^\circ\text{C} < T_j < 175\text{ }^\circ\text{C}$; $I_F < 20\text{A}$