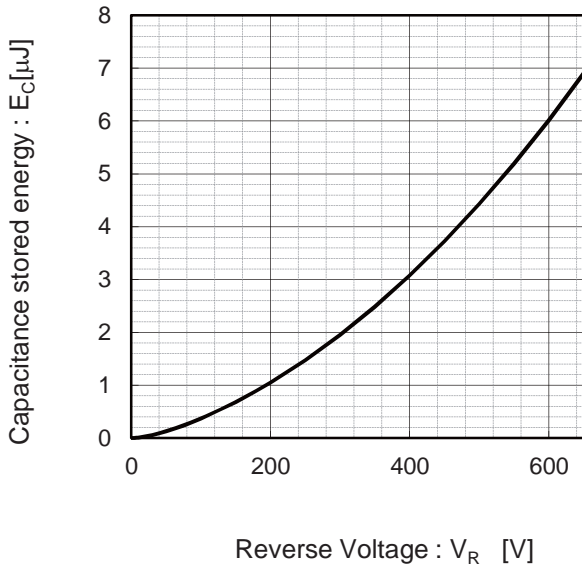
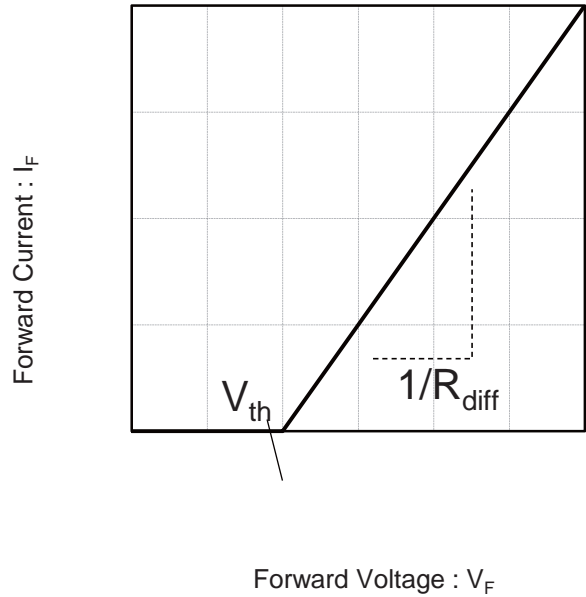


Fig.10 Typical capacitance store energy



●Simplified forward characteristic model

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	5.87E-02	Ω
b_1	1.24E-04	$\Omega/^\circ C$
b_2	1.28E-06	$\Omega/^\circ C^2$

T_j in °C; $-55\text{ }^\circ\text{C} < T_j < 175\text{ }^\circ\text{C}$; $I_F < 12\text{ A}$