

SANYO

No.2406

DFB20T

Diffused Junction Type Silicon Diode

2.0A Power Rectifier

Features

- High-speed switching use
- Reverse recovery time $t_{rr} = 0.15\mu\text{s}$ max (B,C,E,G)
 $t_{rr} = 0.3\mu\text{s}$ max (J,L)
- Peak reverse voltage $V_{RM} = -100$ to -1000V
- Average rectified current $I_O = 2.0\text{A}$

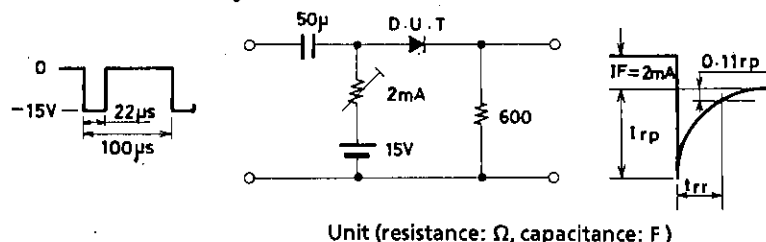
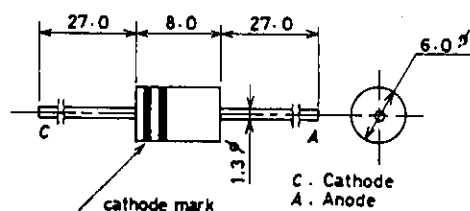
Absolute Maximum Ratings at $T_a = 25^\circ\text{C}$

		DFB20TB	DFB20TC	DFB20TE	DFB20TG	unit
Peak Reverse Voltage	V_{RM}	-100	-200	-400	-600	V
Average Rectified Current	I_O	$\rightarrow$	$\rightarrow$	$\rightarrow$	2.0	A
Surge Forward Current	I_{FSM}	$\rightarrow$	$\rightarrow$	$\rightarrow$	120	A
						50Hz sine wave, 1 cycle
Junction Temperature	T_j	$\rightarrow$	$\rightarrow$	$\rightarrow$	150	$^\circ\text{C}$
Storage Temperature	T_{stg}	$\rightarrow$	$\rightarrow$	$\rightarrow$	-40 to +150	$^\circ\text{C}$

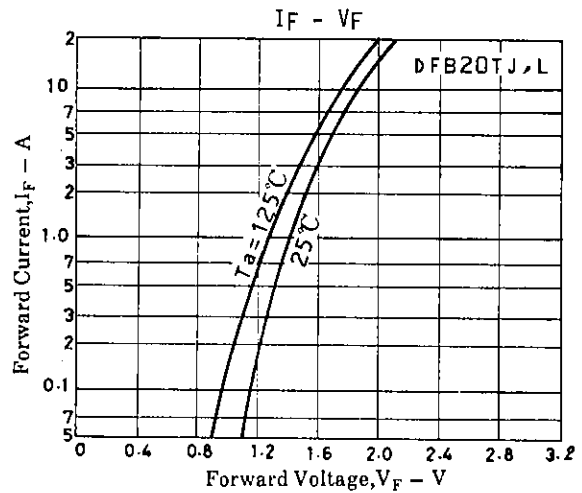
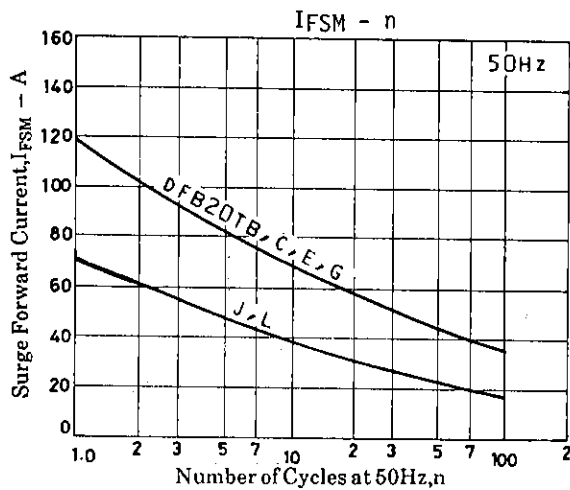
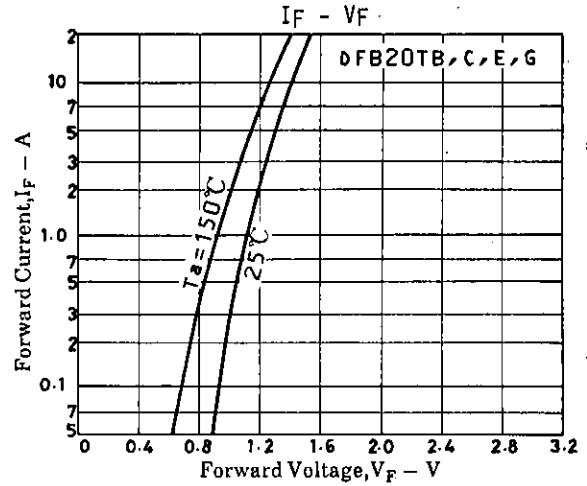
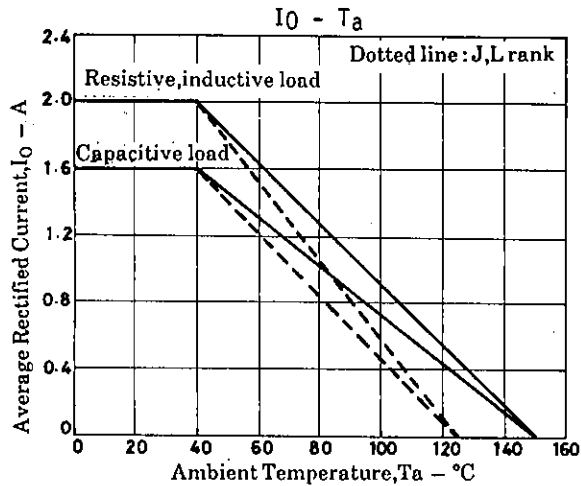
		DFB20TJ	DFB20TL	unit
Peak Reverse Voltage	V_{RM}	-800	-1000	V
Average Rectified Current	I_O	$\rightarrow$	2.0	A
Surge Forward Current	I_{FSM}	$\rightarrow$	70	A
				50Hz sine wave, 1 cycle
Junction Temperature	T_j	$\rightarrow$	125	$^\circ\text{C}$
Storage Temperature	T_{stg}	$\rightarrow$	-40 to +150	$^\circ\text{C}$

Electrical Characteristics at $T_a = 25^\circ\text{C}$

			min	typ	max	unit
Forward Voltage	V_F	$I_F = 2.0\text{A}$ (B,C,E,G)			1.2	V
		$I_F = 2.0\text{A}$ (J,L)			1.5	V
Reverse Current	I_R	V_R : At each V_{RM}			-10	μA
Reverse Recovery Time	t_{rr}	$I_F = 2\text{mA}, V_R = -15\text{V}$ (B,C,E,G)			0.15	μs
		$I_F = 2\text{mA}, V_R = -15\text{V}$ (J,L)			0.3	μs

Reverse Recovery Time Test Circuit**Package Dimensions 1177
(unit: mm)**

DFB20T



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