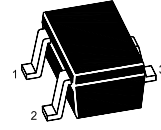
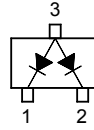


MMBD202CAW

SILICON EPITAXIAL PLANAR SWITCHING DIODE

Application

- Ultra high speed switching



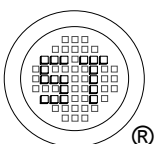
SOT-323 Plastic Package
Marking Code: YX

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

Parameter	Symbol	Value	Unit
Maximum Peak Reverse Voltage	V_{RM}	80	V
Reverse Voltage	V_R	80	V
Average Forward Current (Single)	I_O	100	mA
Maximum Peak Forward Current (Single)	I_{FM}	300	mA
Surge Current at $t = 1\text{ }\mu\text{s}$ (Single)	I_{FSM}	4	A
Power Dissipation	P_{tot}	200	mW
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_s	- 55 to + 150	$^\circ\text{C}$

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

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 100\text{ mA}$	V_F	1.2	V
Reverse Current at $V_R = 70\text{ V}$	I_R	0.1	μA
Capacitance Between Terminals at $V_R = 6\text{ V}$, $f = 1\text{ MHz}$	C_T	3.5	pF
Reverse Recovery Time at $V_R = 6\text{ V}$, $I_F = 5\text{ mA}$, $R_L = 50\text{ }\Omega$	t_{rr}	4	ns



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ISO/TS 16949 : 2002
Certificate No. 05103



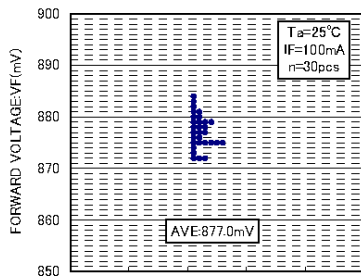
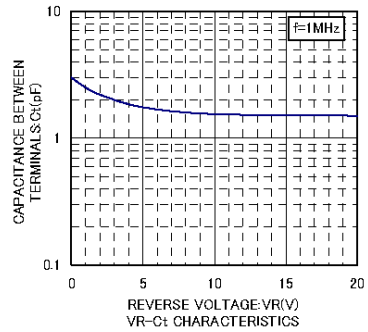
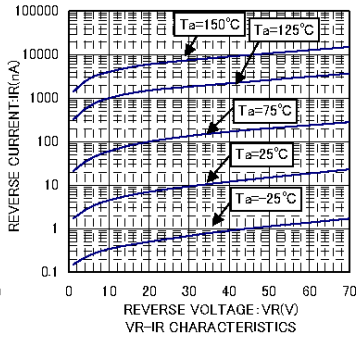
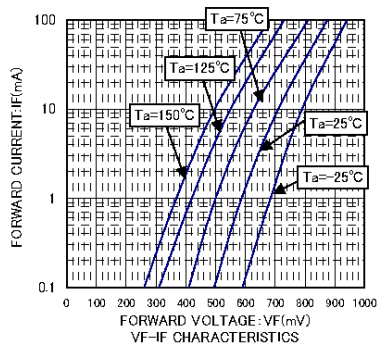
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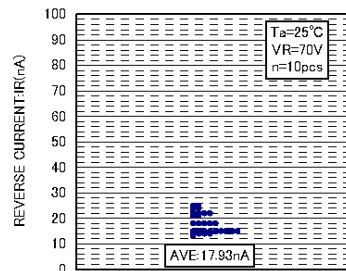
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Dated : 24/05/2008

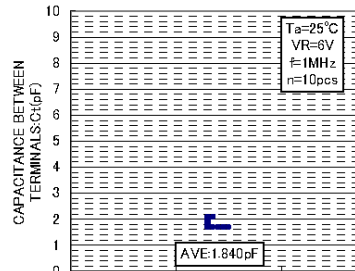
MMBD202CAW



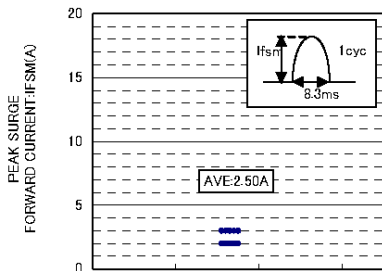
VF DISPERSION MAP



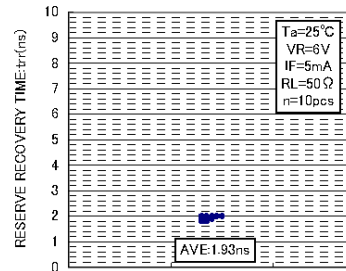
IR DISPERSION MAP



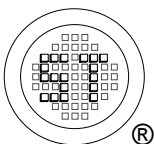
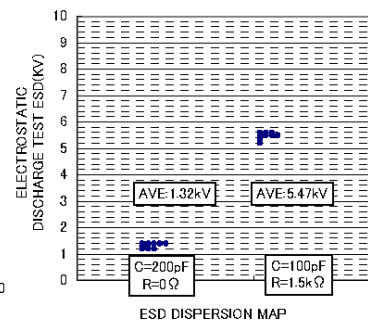
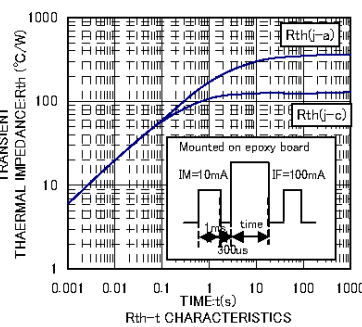
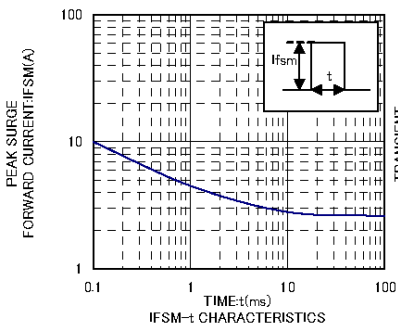
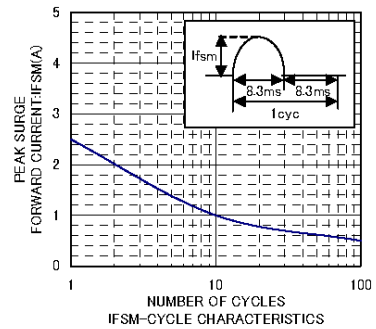
C_t DISPERSION MAP



IFSM DISRESION MAP



t_{rr} DISPERSION MAP



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