

No.1186D

DSB-0-15

20 MHz

Silicon Epitaxial Planar Type

High-Speed Switching Diode

Features

- · Ideally suited for use in hybrid ICs because of small-sized package
- · Fast switching speed

Absolute Maximum Ratings		unit		
Peak Reverse Voltage	$ m V_{RM}$		-75	v
Reverse Voltage	$V_{ m R}$		-50	v
Surge Current	I_{FSM}	(1µsec)	4	Α
Average Rectified Current	$I_{\mathbf{O}}$		150	mΑ
Peak Forward Current	$I_{\mathbf{FM}}$		300	mΑ
Junction Temperature	$\mathbf{T}\mathbf{j}$		125	$^{\circ}\mathrm{C}$
Storage Temperature	Tstg		-55 to + 125	°C

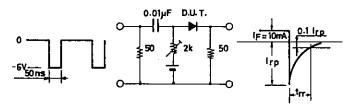
Electrical Characteristics at	$Ta = 25^{\circ}C$		min	tvp	max	unit
Forward Voltage	$\mathbf{V}_{\mathbf{F}}$	$I_F = 10 \mathrm{mA}$		0.75	1.0	V
		$I_F = 50 \text{mA}$		0.85	1.0	V
		$I_F = 100 \text{mA}$			1.2	V
Reverse Current	$I_{\mathbf{R}}$	$V_R = -50V$			-100	nΑ
Interterminal Capacitance	c	$V_R = 0V, f = 1MHz$			7	рF
Reverse Reçovery Time	\mathfrak{t}_{rr}	$l_F = 10 \text{mA}, V_R = -6 \text{V}$			5	ns

 $R_{L} = 50\Omega, I_{rr} = 0.1I_{rp}$

Marking: A2

Reverse Recovery Time Test Circuit

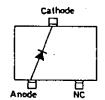
Rated Input-Output Frequency

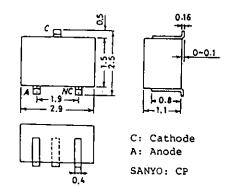


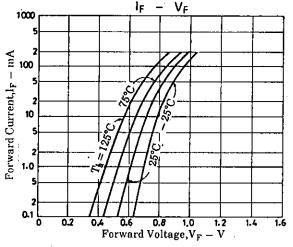
Unit (capacitance: F)

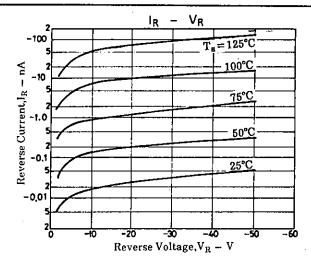
Package Dimensions 1148 (unit: mm)

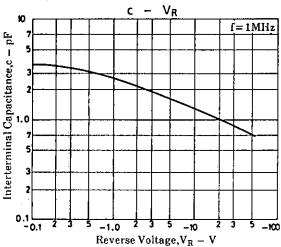
Electrical Connection











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