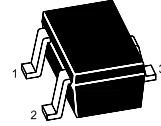
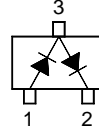


# MMBD204SEW

## SILICON EPITAXIAL PLANAR SWITCHING DIODE

### Applications

- Ultra high speed switching



SOT-323 Plastic Package

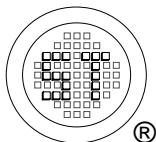
Marking Code: **A7**

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

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	$V_{RM}$	20	V
Reverse Voltage	$V_R$	20	V
Average Rectified Forward Current	$I_O$	100	mA
Maximum (Peak) Forward Current (Single)	$I_{FM}$	200	mA
Peak Forward Surge Current ( $t_p = 1\text{ }\mu\text{s}$ )	$I_{FSM}$	300	mA
Power Dissipation	$P_d$	200	mW
Junction Temperature	$T_J$	150	$^\circ\text{C}$
Storage Temperature Range	$T_s$	- 55 to + 150	$^\circ\text{C}$

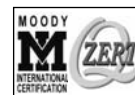
### Characteristics at $T_a = 25\text{ }^\circ\text{C}$

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 10\text{ mA}$	$V_F$	1	V
Reverse Current at $V_R = 15\text{ V}$	$I_R$	0.1	$\mu\text{A}$
Capacitance between Terminals at $V_R = 6\text{ V}$ , $f = 1\text{ MHz}$	$C_T$	4	pF



**SEMTECH ELECTRONICS LTD.**

(Subsidiary of Sino-Tech International Holdings Limited, a company  
listed on the Hong Kong Stock Exchange, Stock Code: 724)



ISO/TS 16949 : 2002  
Certificate No. 05103



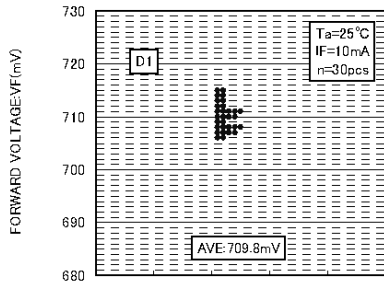
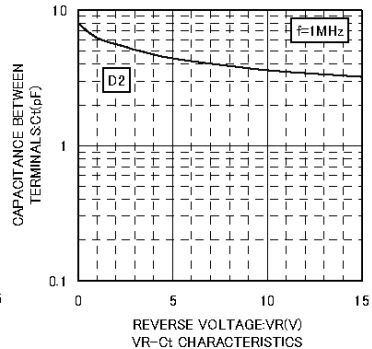
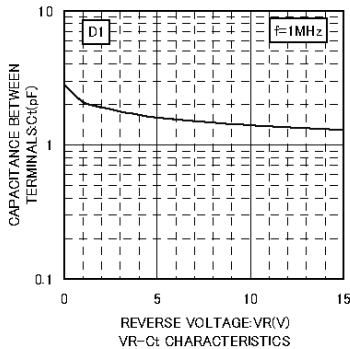
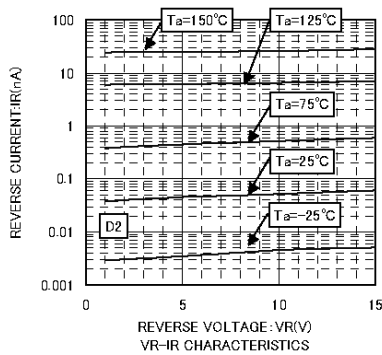
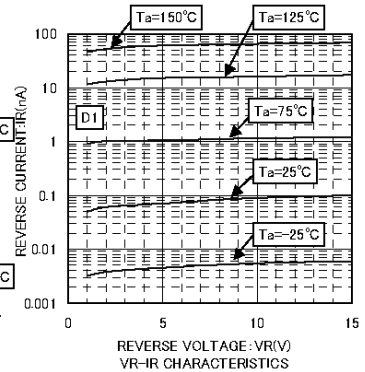
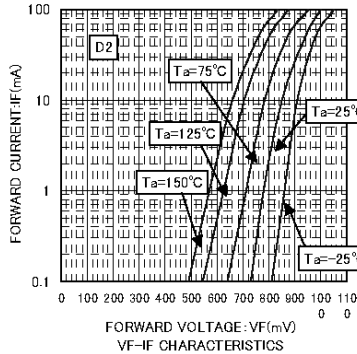
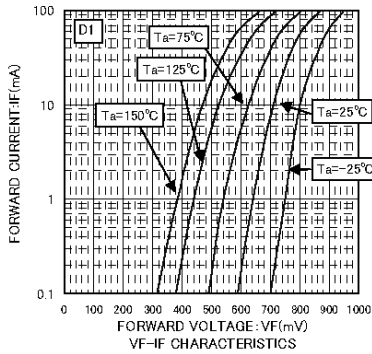
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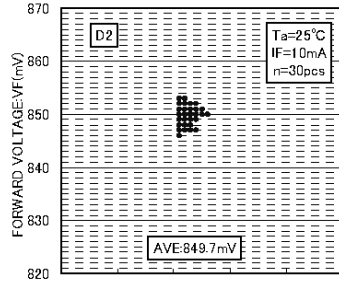
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Dated : 10/10/2008

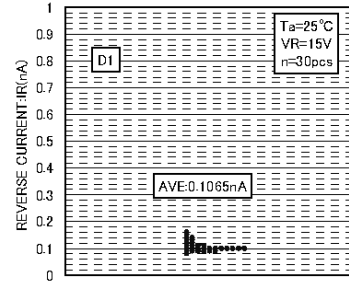
# MMBD204SEW



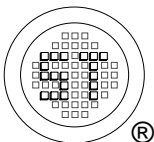
VF DISPERSION MAP



VF DISPERSION MAP



IR DISPERSION MAP



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