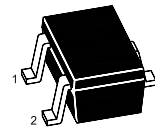
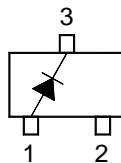


MA3ZD12W

SILICON EPITAXIAL PLANAR SCHOTTKY BARRIER DIODE

Features

- Low forward voltage
- Allowing high density mounting



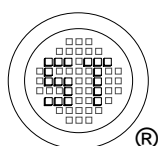
SOT-323 Plastic Package
Marking Code: YR

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

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	25	V
Reverse Voltage	V_R	20	V
Average Forward Current	$I_{F(AV)}$	700	mA
Non-repetitive Peak Forward Surge Current ($t = 8.3\text{ ms}$)	I_{FSM}	2	A
Junction Temperature	T_J	125	$^\circ\text{C}$
Storage Temperature Range	T_s	- 55 to + 125	$^\circ\text{C}$

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

Parameter	Symbol	Min.	Max.	Unit
Forward Voltage at $I_F = 700\text{ mA}$	V_F	-	0.45	V
Reverse Current at $V_R = 20\text{ V}$	I_R	-	200	μA
Reverse Breakdown Voltage at $I_R = 600\text{ }\mu\text{A}$	$V_{(BR)R}$	25	-	V
Junction Capacitance at $V_R = 0, f = 1\text{ MHz}$	C_J	-	100	pF



SEMTECH ELECTRONICS LTD.

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ISO/TS 16949 : 2002
Certificate No. 05103

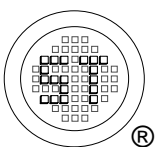
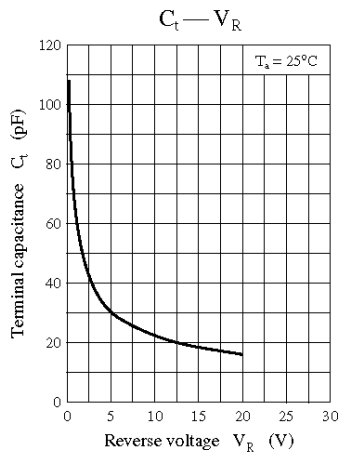
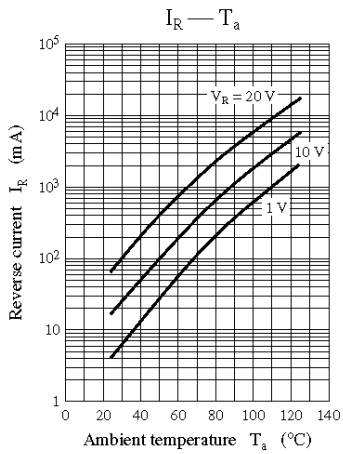
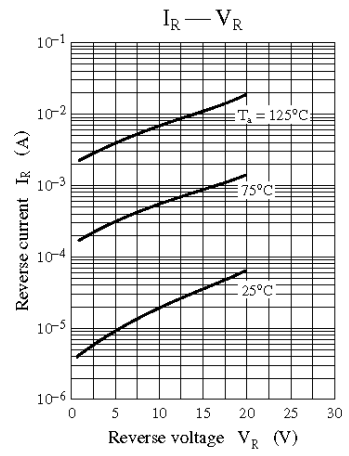
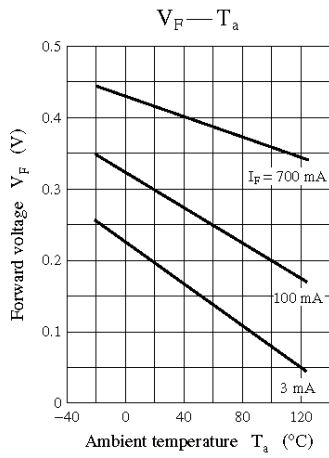
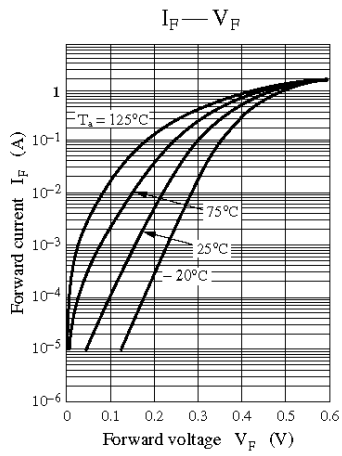


ISO 14001:2004
Certificate No. 7116



ISO 9001:2000
Certificate No. 0506098

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 ISO 9001:2000 Certificate No. 0506098