

DD16

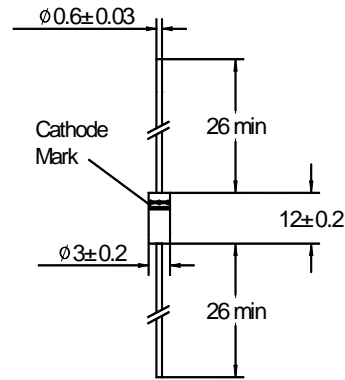
FAST RECOVERY HIGH VOLTAGE DIODES

Features

- Supersmall size.
- High reliability.
- High speed switching.

Applications

- Rectification for high voltage power supply of color T.V.
- Rectification for high voltage power supply of CRT display.
- Rectification for high voltage power supply of others.



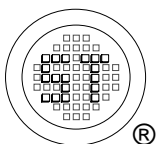
Dimensions in mm

Absolute Maximum Ratings

	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	16	KV
Non-Repetitive Peak Reverse Voltage	V_{RSM}	20	KV
Average Forward Current 50Hz Half-sine wave, Resistance load, $T_a=25^\circ\text{C}$	$I_{F(AV)}$	5	mA
Surge(Non-Repetitive) Forward Current 50Hz Half-sine wave, 1/2cycle, $T_a=25^\circ\text{C}$	I_{FSM}	0.5	A
Operating Ambient Temperature	T_a	-40 to 100	$^\circ\text{C}$
Storage Temperature	T_{stg}	-40 to 120	$^\circ\text{C}$
Virtual Junction Temperature	$T_{(vj)}$	120	$^\circ\text{C}$

Characteristics ($T_a=25^\circ\text{C}$ unless otherwise specified)

		Symbol	Min.	Typ.	Max.	Unit
Forward Voltage at $I_F=10\text{mA}$		V_F	-	-	60	V
Reverse Current at $V_R=V_{RRM}$	$T_a=25^\circ\text{C}$	I_R	-	-	2	μA
	$T_a=100^\circ\text{C}$		-	-	5	μA
Reverse Recovery Time at $I_F=2\text{mA}$, $I_R=4\text{mA}$		t_{rr}	-	-	0.08	μs



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

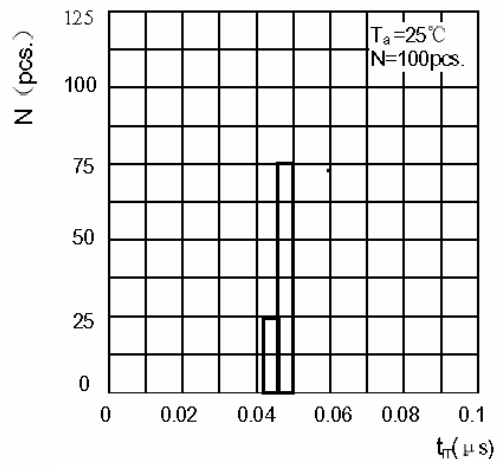
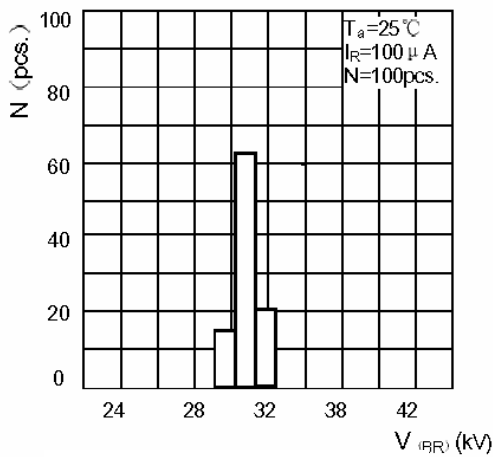
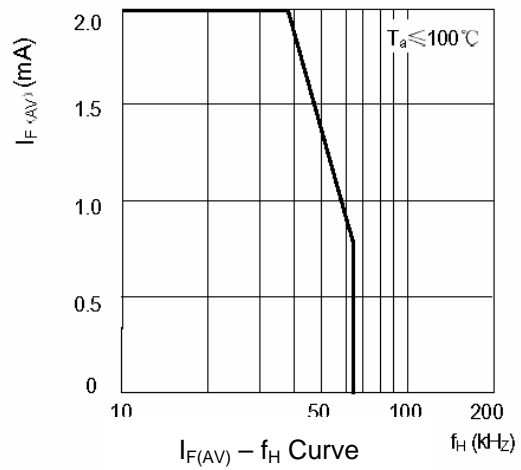
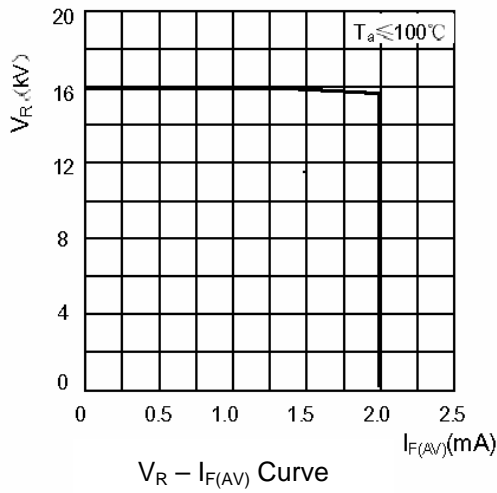
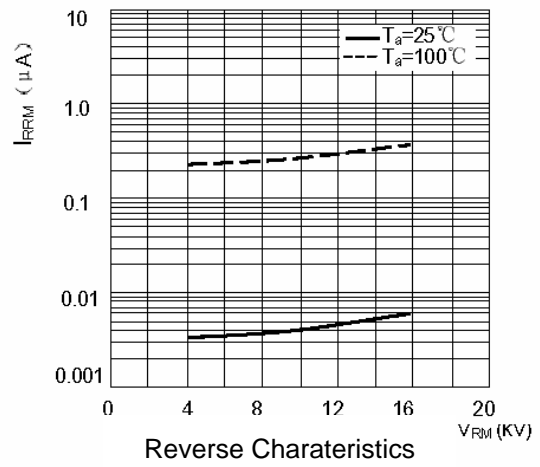
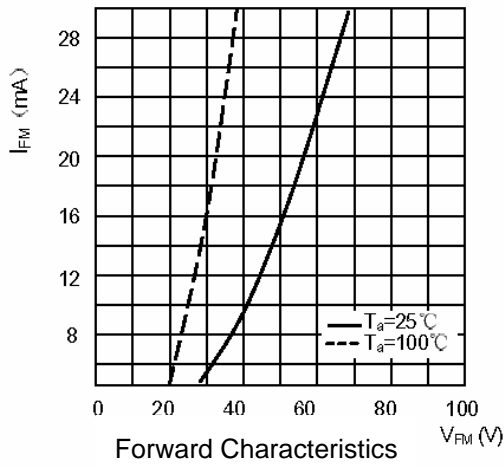


ISO 14001:2004
Certificate No. 7116



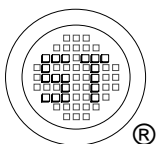
ISO 9001:2000
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Characteristics(Typical)



Breakdown Voltage Distribution

Reverse Recovery Time Distribution



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