HV10G16

10mA 16kV 100nS-- High Voltage Diodes

HVGT High voltage silicon rectifier diodes is made of high quality glass passivated chip and high reliability epoxy resin sealing structure, and through professional testing equipment inspection qualified after to customers.

FEATURES:

1. High reliability design.
2. High voltage design.
3. High frequency .
4. Conform to RoHS.
5. Epoxy resin molded in vacuumHave anticorrosion in the surface.

APPLICATIONS:

1. High voltage multiplier circuit
2. Electrostatic generator circuit .
3. General purpose high voltage rectifier.
4. Other.

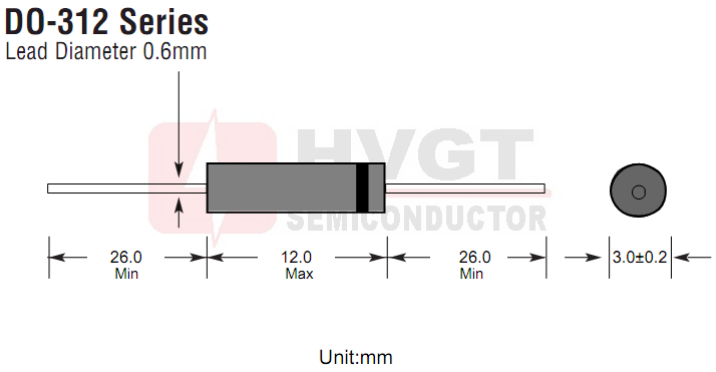
MECHANICAL DATA:

1. Case: epoxy resin molding.
2. Terminal: welding axis.
3. Net weight: 0.32 grams (approx).

SHAPE DISPLAY:



SIZE: (Unit:mm) **HVGT NAME: DO-312**



MAXIMUM RATINGS AND CHARACTERISTICS: **(**Absolute Maximum Ratings)

Items	Symbols	Condition	Data Value	Units
Repetitive Peak Renerse Voltage	V_{RRM}	Ta=25°C;	16	kV
Average Output Current	I_F	Ta=25°C;Resistive Load	10	mA
Suege Current	I_{FSM}	Ta=25°C; 1/2 Sine(60Hz)	1.0	A
Junction Temperature	T_J		-40~+125	°C
Allowable Operation Case Temperature	Tc		125	°C
Storage Temperature	T_{STG}		-40~+125	°C

ELECTRICAL CHARACTERISTICS: Ta=25°C (Unless otherwise specified)

Items	Symbols	Condition	Data value	Units
Maximum Forward Voltage Drop	V_F	at 25°C; at $I_{F(AV)}$	43	V
Maximum Reverse Current	I_R1	at 25°C; at V_{RRM}	2.0	uA
	I_R2	at 100°C; atV_{RRM}	5.0	uA
Maximum Reverse Recovery Time	T_{RR}	at 25°C; I_F=0.5I_R; I_R=I_{FAVM}; I_{RR}=0.25I_R	100	nS
Junction Capacitance	C_J	at 25°C; V_R=0V; f=1MHz	1.0	pF

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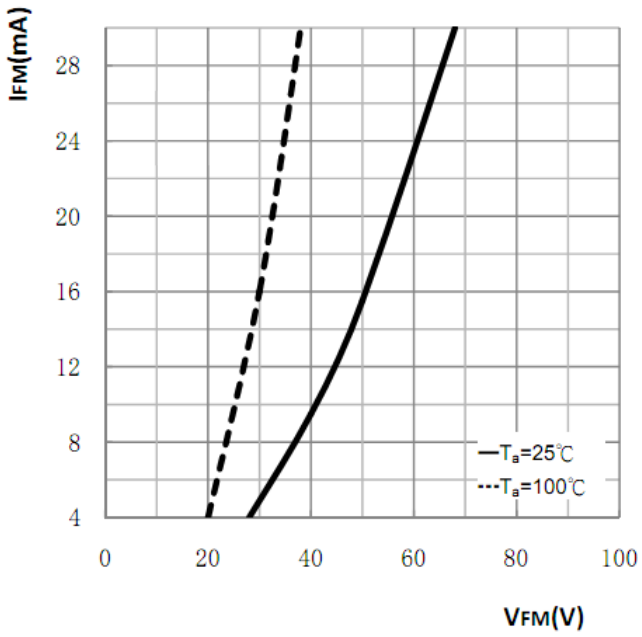
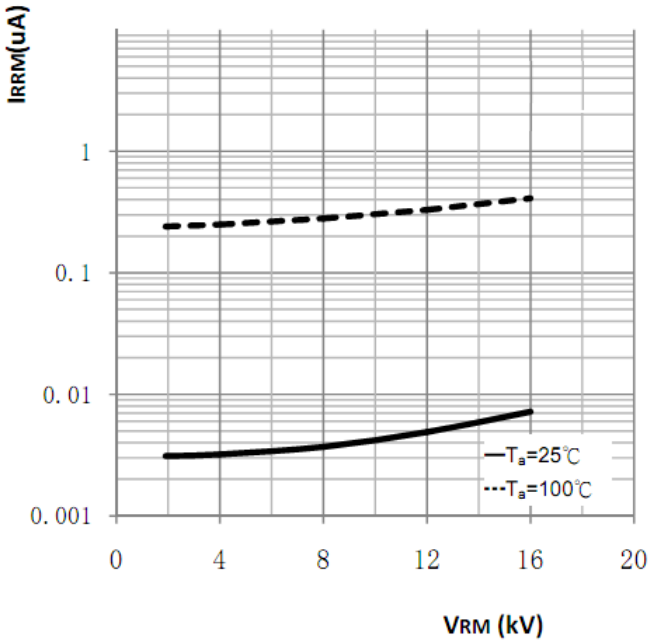
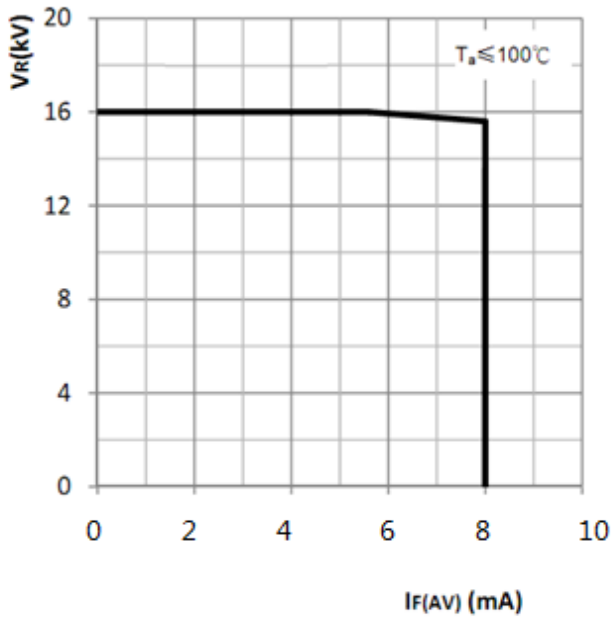
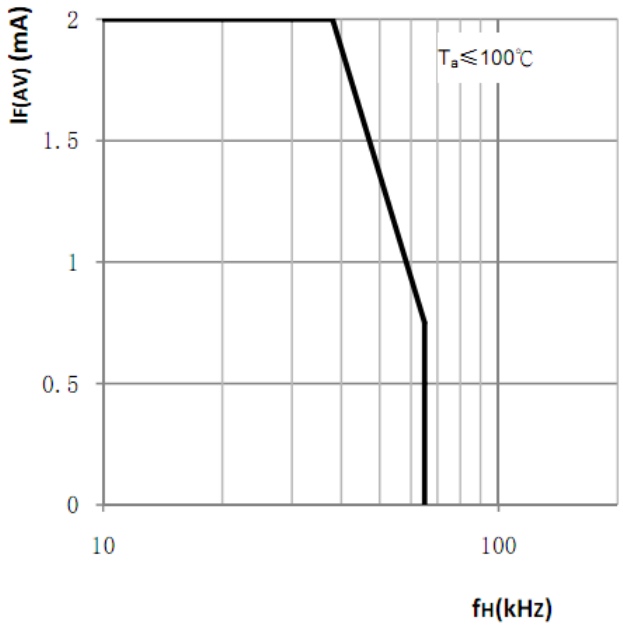
Fig1	Fig2
Forward Characteristics	Reverse Characteristics
	

Fig3	Fig4
VR-IF(AV) Curve	IF(AV)-fH Curve
	

Marking	Type	Code	Cathode Mark
	HV10G16		