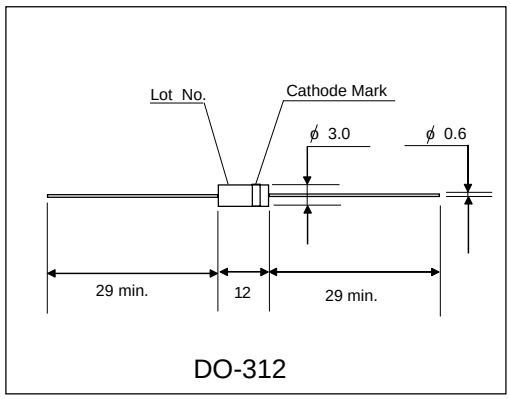
HVGT HVRT200

20kV 30mA HIGH VOLTAGE DIODES

HVRT200 is high reliability resin molded type high voltage diode in small size package which is sealed a multilayed mesa type silicon chip by epoxy resin.

■ Outline Drawings : mm



DO-312

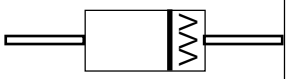
■ Features

- High speed switching
- Low VF
- High surge resisitivity for CRT discharge
- High reliability design
- Ultra small pakage

■ Applications

- X light Power supply
- Laser
- Voltage doubler circuit
- Microwave emission power

■ Cathode Mark

Type	Mark
HVRT200	

■ Maximum Ratings and Characteristics

● Absolute Maximum Ratings

Items	Symbols	Condition	HVRT200	Units
Repetitive Peak Renerse Voltage	V_{RRM}		20	kV
Average Output Current	I_O	Ta=25°C,Resistive Load	30	mA
Suege Current	I_{FSM}	10mS Sine-half wave peak value	3.0	A_{peak}
Junction Temperature	Tj		125	°C
Allowable Operation Case Temperature	Tc		125	°C
Storage Temperature	T_{stg}		-40 to +125	°C

● Electrical Characteristics (Ta=25°C Unless otherwise specified)

Items	Symbols	Conditions	HVRT200	Units
Maximum Forward Voltage Drop	V_F	at 25°C,I_F =$I_{F(AV)}$	35	V
Maximum Reverse Current	IR1	at 25°C,VR=20kV	2.0	μA
	IR2	at 100°C,VR=20kV	20	μA
Maximum Reverse Recovery Time	Trr	at 25°C,I_F=2mA,I_R=4mA	100	nS
Junction Capacitance	Cj	at 25°C,V_R=0V,f=1MHz	1.0	pF

GETE ELECTRONICS CO.,LTD
Http://www.getedz.com E-mail:sales@getedz.com