HVGT

HVQD100ME40D

2X40kV/10A POTTING TYPE HV SUBASSEMBLY

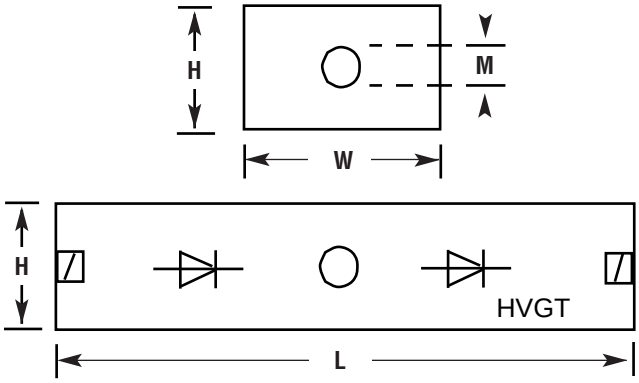
■ Features

- Diffused Junction
- High Voltage Capability
- High Case Dielectric Strength
- Low Frequency
- Plastic Material has Underwriters Laboratory
- Flammability Classification 94V-O

■ Mechanical Data

- Case: Molded Plastic
- Polarity: Marked on Body
- Weight: 10k grams (approx.)
- Mounting Position: Through Hole for #8 Screw
- Marking: Type Number

■ Outline Drawings



Shape Size(Unit: mm)			
L	W	H	M
600	130	40	8

■ Maximum Ratings and Characteristics

● Absolute Maximum Ratings

Items	Symbols	Condition	HVQD100ME40D	Units
Repetitive Peak Renerse Voltage	V_{RRM}		2X40	kV
Average Output Current	I_O	Ta=30°C,Resistive Load	10	A_{peak}
Suege Current	I_{FSM}		300	A_{peak}
Junction Temperature	Tj		155	°C
Allowable Operation Case Temperature	Tc		155	°C
Storage Temperature	T_{stg}		-40 to +155	°C

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

Items	Symbols	Conditions	HVQD100ME40D	Units
Maximum Forward Voltage Drop	V_F	at 25°C,I_F =$I_{F(AV)}$	50	V
Maximum Reverse Current	IR1	at 25°C,V_R =V_{RRM}	200	uA
	IR2	at 100°C,V_R =V_{RRM}	2,000	uA
Maximum Reverse Recovery Time	Trr	at 25°C If=100mA Irm=200mA	--	nS
Junction Capacitance	Cj	at 25°C,V_R=0V,f=1MHz	--	pF

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