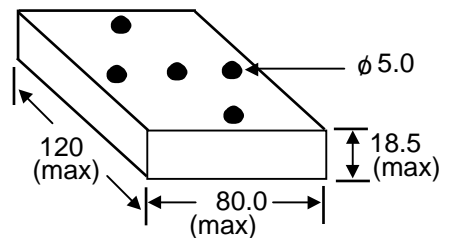
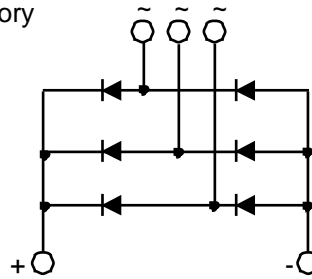


Outline Drawings (Unit: mm)



Cathode Mark

HVQL15MT150D
1408 HVGT

Features

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

Mechanical Data

- Case: Epoxy potting
- Terminals: Through Hole for #3 Screwer
- Marking: Type Number
- Polarity: Marked on Body
- Weight: 395 grams (approx.)

Maximum Ratings and Characteristics

- Absolute Maximum Ratings

Items	Symbols	Condition	HVQL15MT150D	Units
Repetitive Peak Reverse Voltage	V_{RRM}		15	kV
Average Output Current	I_o	$T_a=25^{\circ}\text{C}$, Resistive Load	1.5	A _{peak}
Surge Current	I_{FSM}		30	A _{peak}
Junction Temperature	T_j		125	$^{\circ}\text{C}$
Allowable Operation Case Temperature	T_c		125	$^{\circ}\text{C}$
Storage Temperature	T_{stg}		-40 to +125	$^{\circ}\text{C}$

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

Items	Symbols	Conditions	HVQL15MT150D	Units
Maximum Forward Voltage Drop	V_F	at 25°C , $I_F = I_{F(AV)}$	16	V
Maximum Reverse Current	I_{R1}	at 25°C , $V_R = V_{RRM}$	5.0	μA
	I_{R2}	at 100°C , $V_R = V_{RRM}$	50	μA
Maximum Reverse Recovery Time	T_{rr}	at 25°C	---	nS
Junction Capacitance	C_j	at 25°C , $V_R=0\text{V}$, $f=1\text{MHz}$	---	pF