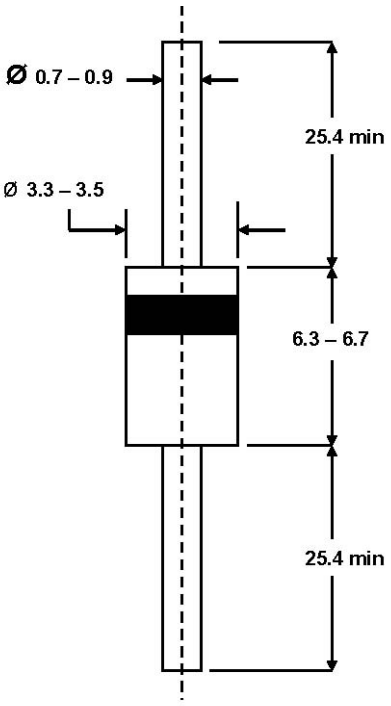
Glass Passivated
High Voltage Diodes

Case: DO-15



Unit: mm

Reverse Voltage 2000-4000V
Forward current 350 mA

Features

- Plastic package
- Glass passivated die construction
- High Reverse Voltage
- Low cost
- Plastic material has UL flammability recognition 94V-0
- High surge current capability

Mechanical Data

Case: Molded plastic case
Terminals: Plated leads solderable per MIL-STD-750, Method 2026
Polarity: Marked on Body
Mounting Position: Any
Weight: 0.40 g（Approximately）

Application

- Car ignition systems
- Automotive applications with extreme temperature requirements

Maximum Ratings and Electrical Characteristics @ $T_A = 25^OC$ unless otherwise specified

Parameter	Symbol	MSH20G	MSH30G	MSH40G	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	2000	3000	4000	V
Maximum RMS Voltage	V_{RMS}	1400	2100	2800	V
Maximum DC Blocking Voltage	V_{DC}	2000	3000	4000	V
Maximum average forward output rectified current 0.375” (9.5mm) lead length at TC = 55^OC	$I_{F(AV)}$	350			mA
Peak forward surge current single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	30			A
Instantaneous Forward Voltage at 350mA DC	V_F	3.0	4.0	5.0	V
$V_R=V_{RRM}$ $T_A=25^OC$ $V_R=V_{RRM}$ $T_A=175^OC$	I_R	1.0 250			uA
Operating Junction	Tj	-65 to +175			^OC
Storage temperature range	T_{STG}	-65 to +175			^OC