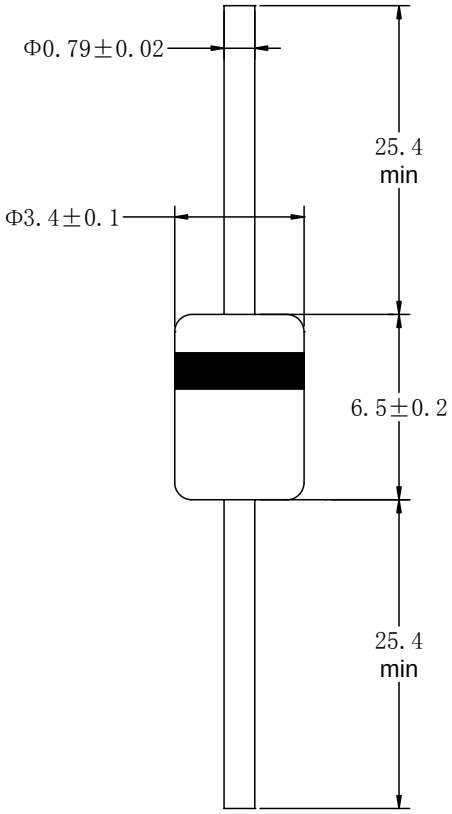
Microsemi Shanghai

BYX134P

Glass Passivated High Voltage Diodes

Reverse Voltage 4000V
Forward current 10 mA

Case DO-15



Unit：mm

Features

- Plastic package
- Glass passivated die construction
- High Reverse Voltage
- Low cost
- Plastic material has UL flammability recognition 94V-0
- Polyimide coating on die stack

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^{O}C unless otherwise specified

Parameter	Symbol	BYX134P	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	4000	V
Maximum RMS Voltage	V_{RMS}	2800	V
Maximum DC Blocking Voltage	V_{DC}	4000	V
Maximum average forward output rectified current 0.375" (9.5mm) lead length at TC = 55 ^{O}C	$I_{F(AV)}$	10	mA
Peak forward surge current single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	30	A
Instantaneous Forward Voltage at 10mA DC	V_F	5.0	V
V_R=V_{RRM} T_A =25^{O}C V_R=V_{RRM} T_A =175^{O}C	I_R	1.0 30	uA
Operating Junction	Tj	-65 to +175	^{O}C
Storage temperature range	T_{STG}	-65 to +175	^{O}C