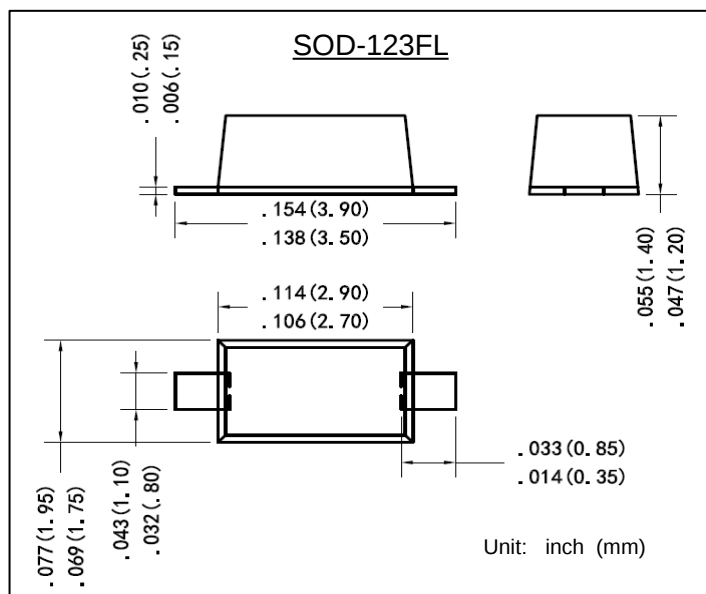


Surface Monument High Voltage Bidirectional Trigger Diode Breakdown Reverse Voltage 70 ~ 220 V



Features

- Low reverse leakage
- High reliability
- High temperature soldering guaranteed:
260°C/10seconds on teminals
- Lead and body according with RoHS standard
- Bidirectional crowbar protection
- High forward surge current capability
- Will not fatigueThe plastic package carries Underwriters
Laboratory, Flammability Classification 94V-0
- Eliminate voltage overshoot caused by fast-rising transients
- Cannot be damaged by voltage

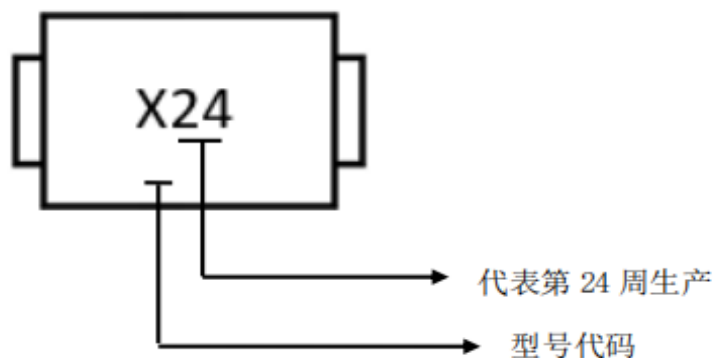
Mechanical Data

- Case: JEDEC SOD-123FL Molded plastic
- Lead: Pure tin plated, lead free
- Mounting Position : Any

Electrical Parameters

Part Number	Marking	V_{DRM} (V)	V_{BO} (V)			V_T (V)	I_T (A)	I_{BO} (uA)	I_{DRM} (uA)	I_H (mA)
			Min.	Typ.	Max.					
K105SD	X**	90	95	105	110	4.0	1.0	15	1.0	50

印字说明 Marking Instructions



Note:

1) All measurements are made at an ambient temperature of 25°C.

Thermal Considerations

Package	Symbol	Parameter	Value	Unit
SOD-123FL	T_J	Operating Junction Temperature	125	°C
	T_S	Storage Temperature Range	-40 to +125	°C
	$R_{\theta JA}$	Junction to Ambient on printed circuit	180	°C/W

Characteristics Curves

Figure 1. V-I Characteristics

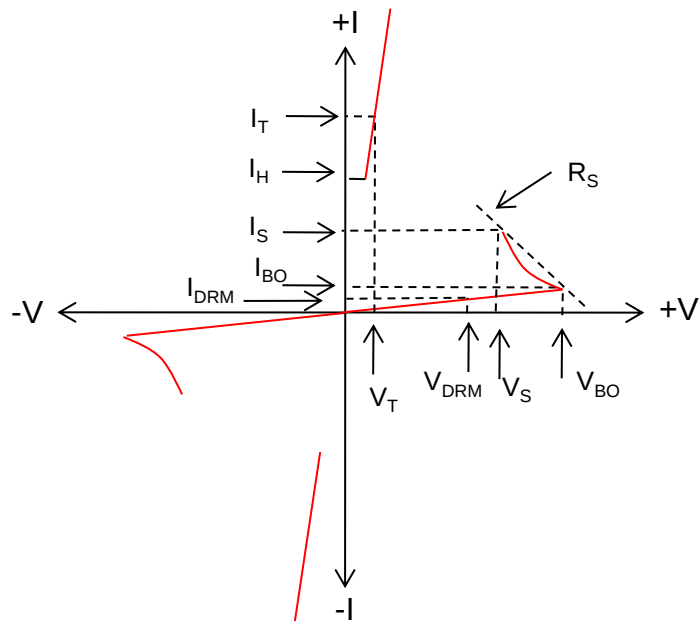


Figure 2. $t_r \times t_d$ Pulse Wave-form

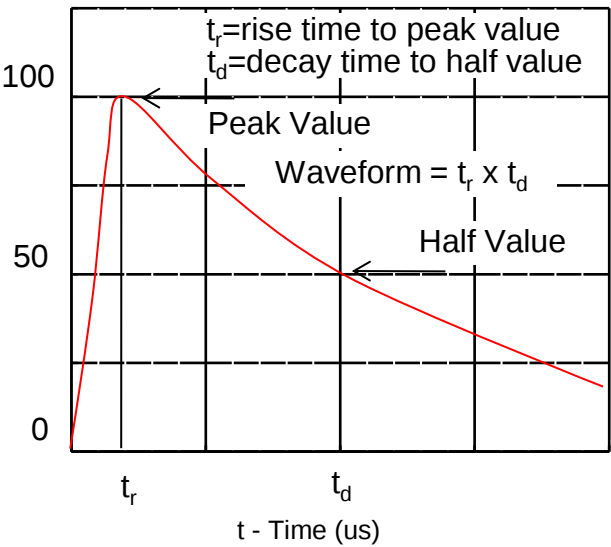


Figure 3. Normalized V_S Change versus Junction Temperature

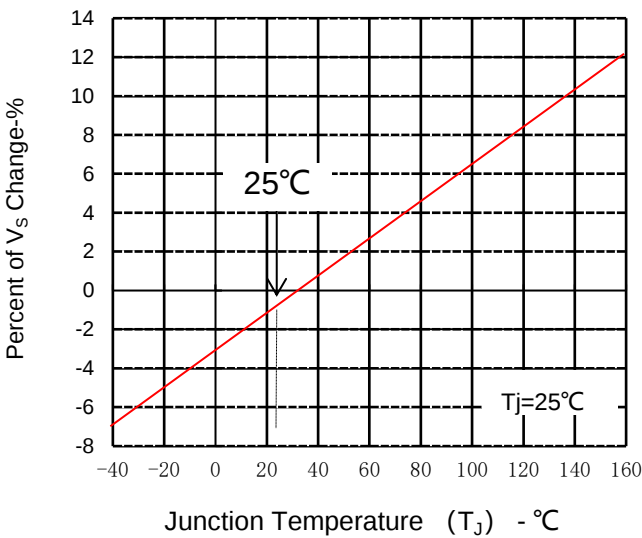


Figure 4. Normalized DC Holding Current versus Case Temperature

