

Features

- For use in low voltage, high frequency inverters
- Free wheeling, and polarity protection applications

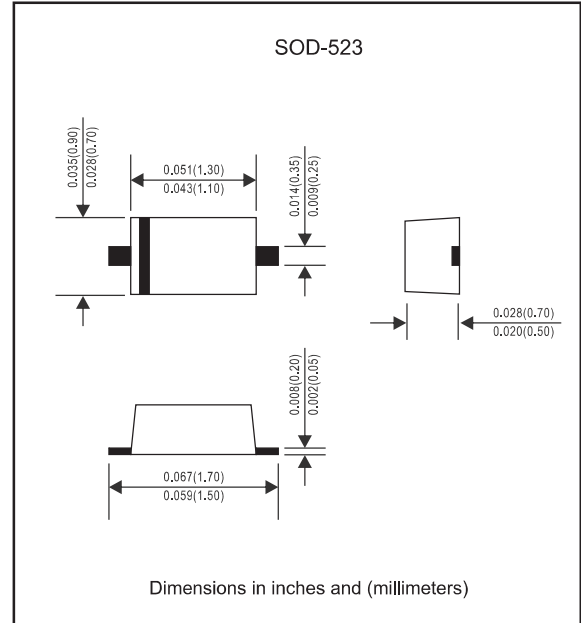
Mechanical data

- **Case:** JEDEC SOD-523 molded plastic body
- **Terminals:** Solder plated, solderable per MIL-STD-750, Method 2026
- **Polarity:** Color band denotes cathode end
- **Mounting Position:** Any

Marking : C



Package outline



Maximum ratings and Electrical Characteristics (AT $T_A = 25^\circ\text{C}$ unless otherwise noted)

PARAMETER	CONDITIONS	Symbol	MIN.	TYP.	MAX.	UNIT
Repetitive peak reverse voltage		V_{RM}			30	V
Continuous reverse voltage		V_R			30	V
Mean rectifying current		I_O			200	mA
Forward surge current	60Hz for 1cycle	I_{FSM}			1000	mA
Operating junction temperature range		T_J	-40		+125	$^\circ\text{C}$
Storage temperature range		T_{STG}	-40		+125	$^\circ\text{C}$
Forward voltage	$I_F = 200 \text{ mA}$	V_F			0.50	V
Reverse current	$V_R = 10 \text{ V}$	I_R			30	μA
Diode capacitance	$V_R = 10 \text{ V}, f = 1\text{MHz}$	C_T		4.0		pF

Rating and characteristic curves

FIG.1-TYPICAL FORWARD CHARACTERISTICS

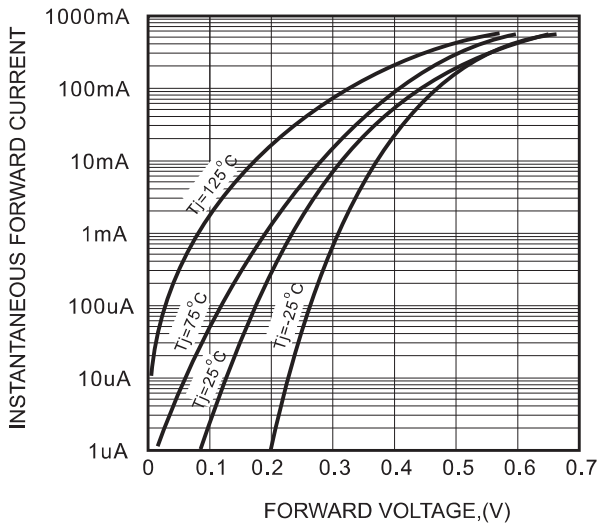


FIG.2 - TYPICAL REVERSE CHARACTERISTICS

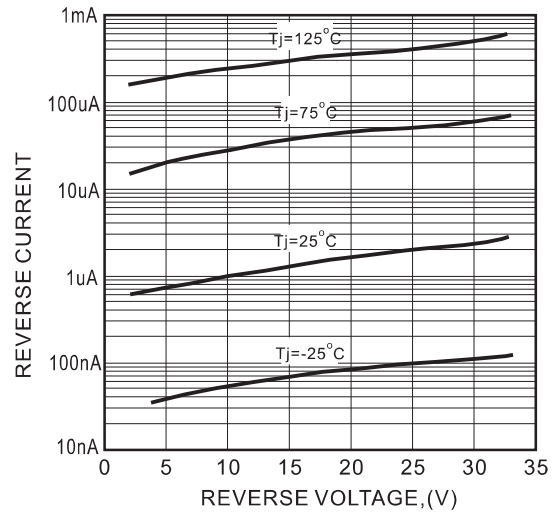


FIG.3-TYPICAL TERMINALS CAPACITANCE

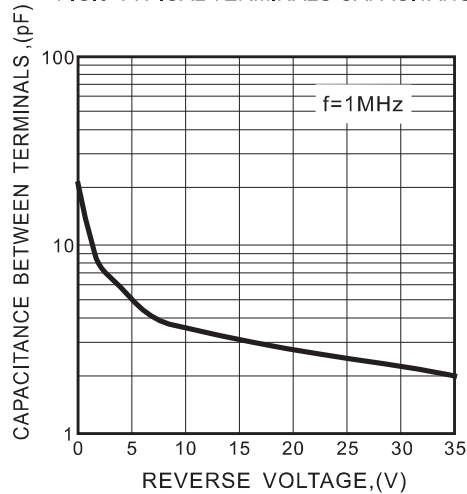
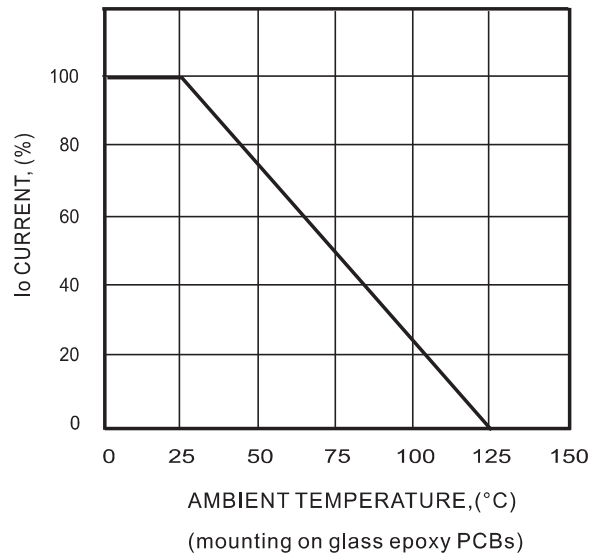


FIG.4- DERATING CURVE



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