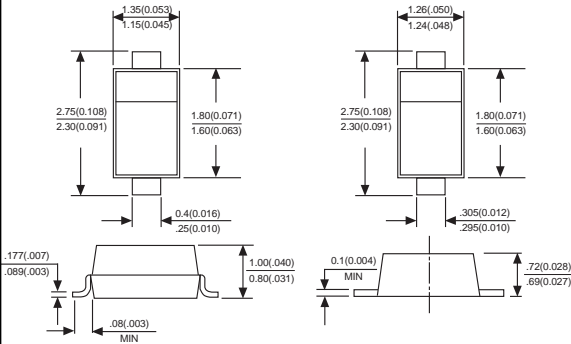




1SS357

SCHOTTKY DIODES

SOD-323



Dimensions in millimeters and (inches)

FEATURES

- ◆ Small package
- ◆ Low V_F , low IR

MECHANICAL DATA

Case: Molded plastic body

Terminals: Plated leads solderable per MIL-STD-750, Method 2026

Polarity: Polarity symbols marked on case

Marking: S31

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Maximum ratings and electrical characteristics, Single diode @ $T_A=25^\circ\text{C}$

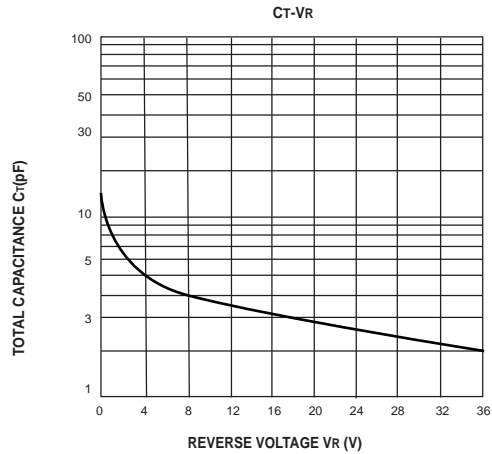
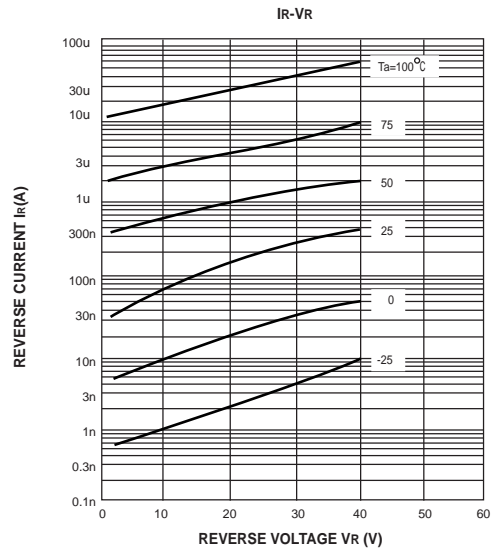
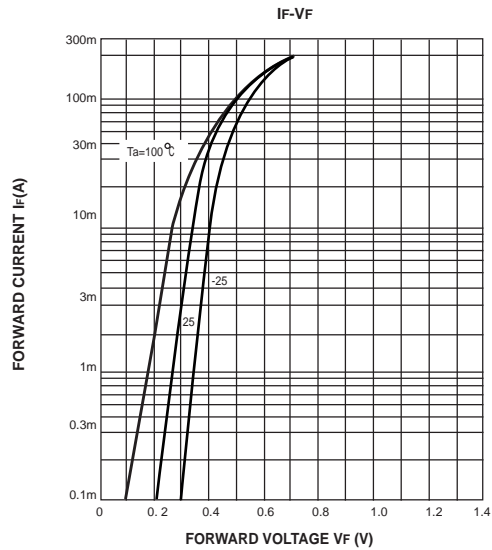
PARAMETER	SYMBOLS	LIMITS	UNITS
Peak reverse voltage	V_{RM}	45	V
DC reverse voltage	V_R	40	V
Mean rectifying current	I_o	0.1	A
Peak forward surge current	I_{FSM}	1	A
Junction temperature	T_j	125	$^\circ\text{C}$
Storage temperature	T_{STG}	-55 to +125	$^\circ\text{C}$

Electrical ratings @ $T_A=25^\circ\text{C}$

PARAMETER	SYMBOLS	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F		0.28		V	$I_F=1\text{mA}$
			0.36		V	$I_F=10\text{mA}$
				0.6	V	$I_F=100\text{mA}$
Reverse current	I_R			5	μA	$V_R=40\text{V}$
Capacitance between terminals	C_T			25	pF	$V_R=0, f=1.0\text{MHz}$

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RATINGS AND CHARACTERISTIC CURVES 1SS357



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