

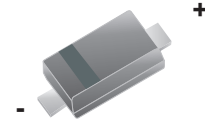
SMD Schottky Barrier Diode

CDBP00340

$I_o=30\text{mA}$

$V_R=40\text{V}$

RoHS Device

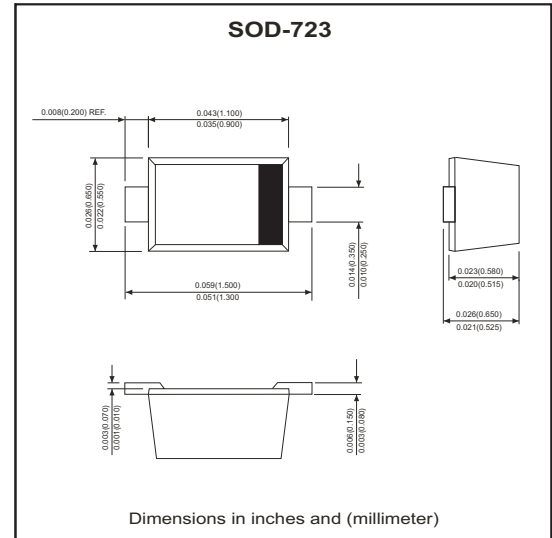


Features

- Small surface mounting type.
- Low reverse current and low forward voltage.
- High reliability.

Mechanical Data

- Case: Molded plastic SOD-723
- Terminals: Solderable per MIL-STD-750, Method 2026.1.
- Polarity: Indicated by cathode band.
- Mounting position: Any.
- Marking: F



Maximum Ratings (at $T_a=25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	Limits	Unit
Peak reverse voltage	V_{RM}	40	V
DC reverse voltage	V_R	30	V
Mean rectifying current	I_o	30	mA
Peak forward surge current	I_{FSM}	200	mA
Junction temperature	T_J	125	$^\circ\text{C}$
Storage temperature	T_{stg}	-40 ~ +125	$^\circ\text{C}$

Electrical Characteristics (at $T_a=25^\circ\text{C}$ unless otherwise noted)

Parameter	Conditions	Symbol	Min.	Typ.	Max.	Unit
Forward voltage	$I_F=1\text{mA}$	V_F			0.37	V
Reverse current	$V_R=30\text{V}$	I_R			0.5	μA
Capacitance between terminals	$V_R=1\text{V}$, $f=1\text{MHz}$	C_T		2		pF

ELECTRICAL CHARACTERISTIC CURVES (CDBP00340)

Fig.1 Forward Characteristics

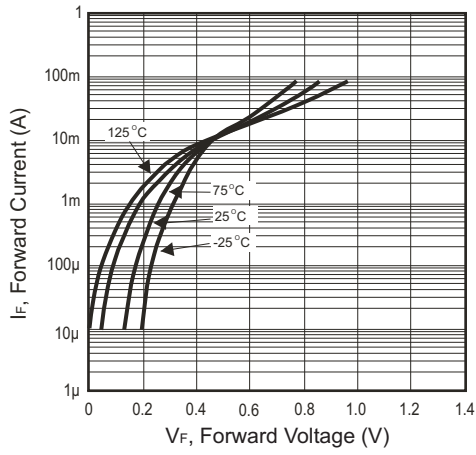


Fig.2 Reverse Characteristics

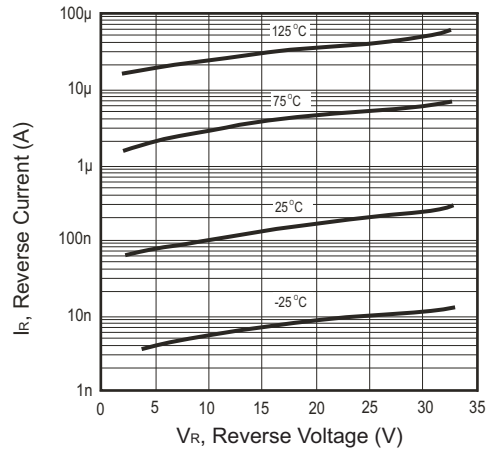


Fig.3 Capacitance between terminals

