CDBF0245

Io = 200 mA
VR = 45 Volts
RoHS Device

Features

-Designed for mounting on small surface.

-Extremely thin/leadless package.

-Low leakage current (IR=0.1uA typ.@VR=10V).

-Majority carrier conduction.

Mechanical data

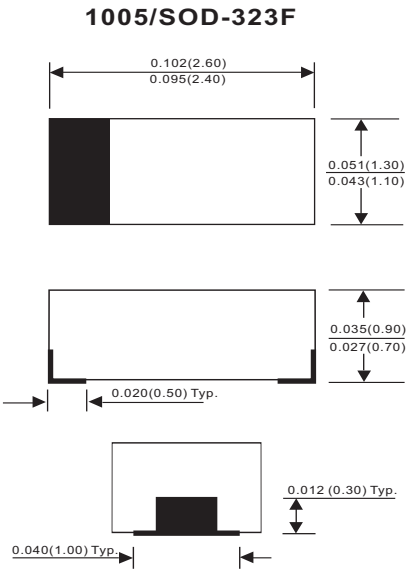
-Case: 1005/SOD-323F standard package, molded plastic.

-Terminals: Gold plated, solderable per MIL-STD-750,method 2026.

-Polarity: Indicated by cathode band.

-Mounting position: Any

-Weight: 0.006 gram(approx.).



Maximum Rating (at TA=25°C unless otherwise noted)

Parameter	Conditions	Symbol	Min	Typ	Max	Unit
Repetitive peak reverse voltage		VRRM			50	V
Reverse voltage		VR			45	V
Average forward current		IO			200	mA
Forward current,surge peak	8.3ms single half sine-wave superimposed on rate load(JEDEC method)	IFSM		3000		mA
Power Dissipation		PD			250	mW
Storage temperature		TSTG	-40		+125	°C
Junction temperature		Tj	-40		+125	°C

Electrical Characteristics (at TA=25°C unless otherwise noted)

Parameter	Conditions	Symbol	Min	Typ	Max	Unit
Forward voltage	IF = 200 mA DC	VF			0.55	V
Reverse current	VR = 10 V	IR			1	uA
Capacitance between terminals	f = 1 MHz, and 10VDC reverse voltage	CT		9		pF

RATING AND CHARACTERISTIC CURVES (CDBF0245)

Fig. 1 - Forward characteristics

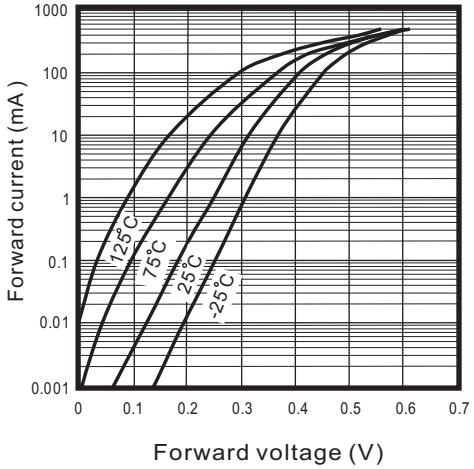


Fig. 2 - Reverse characteristics

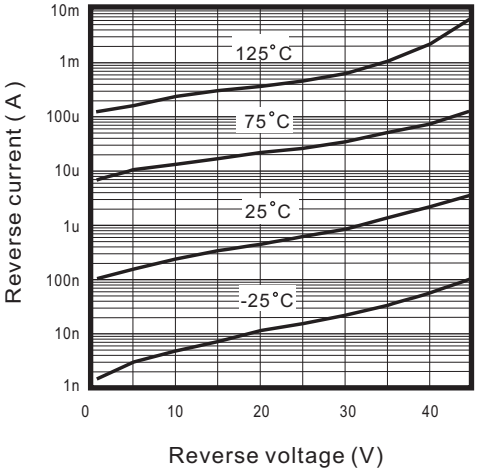


Fig. 3 - Capacitance between terminals characteristics

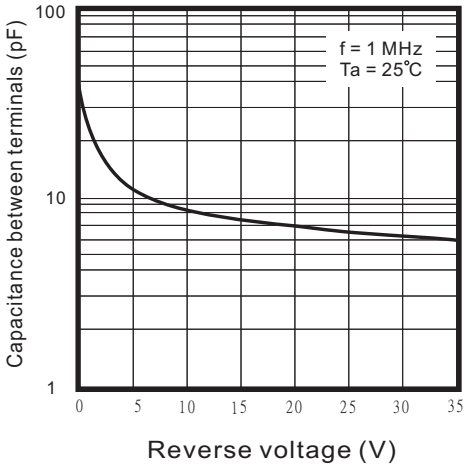


Fig. 4 - Current derating curve