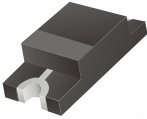


SMD Switching Diode



CDSF355

High Speed



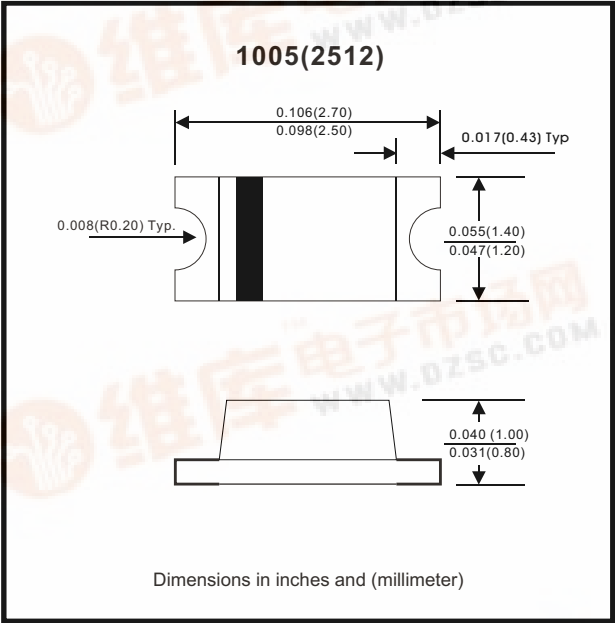
Features

- Designed for mounting on small surface.
- High speed switching.
- High mounting capability, strong surge withstand, high reliability.

Mechanical data

- Case: 1005(2512) standard package, molded plastic.
- Terminals: Solder plated, solderable per MIL-STD-750, method 2026.
- Polarity: Indicated by cathode band.
- Mounting position: Any.
- Weight: 0.005 gram (approximately)

Preliminary

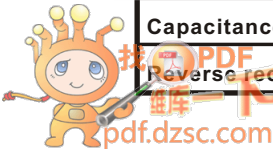


Maximum Rating (at TA = 25°C unless otherwise noted)

Parameter	Conditions	Symbol	Min	Typ	Max	Unit
Repetitive peak reversevoltage		VRRM			90	V
Reverse voltage		VR			80	V
Average forward current		Io			100	mA
Forward current ,surge peak	8.3 ms single half sine-wave superimposed on rate load (JEDEC method)	IFSM		1000		mA
Power Dissipation		Pd			300	mW
Storage temperature		TSTG	-55		+125	°C
Junction temperature		Tj	-55		+125	°C

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

Parameter	Conditions	Symbol	Min	Typ	Max	Unit
Forward voltage	IF = 100 mADC	VF			1.00	V
Reverse current	VR = 80 V	IR			0.1	uA
Capacitance between terminals	f =1MHz, and 1 VDC reverse voltage	CT			3	pF
Reverse recovery time	VR = 6V, IF = 10 mA, RL =50 ohms	Trr			4	nS



RATING AND CHARACTERISTIC CURVES (CDSF355)

Fig. 1 - Forward characteristics

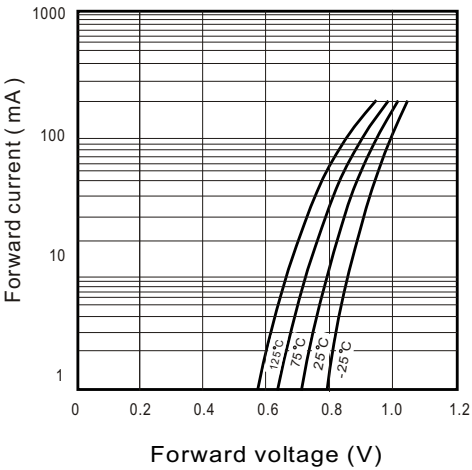


Fig. 2 - Reverse characteristics

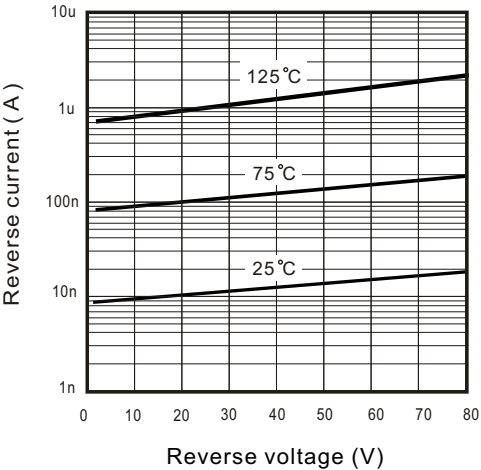


Fig. 3 - Capacitance between terminals characteristics

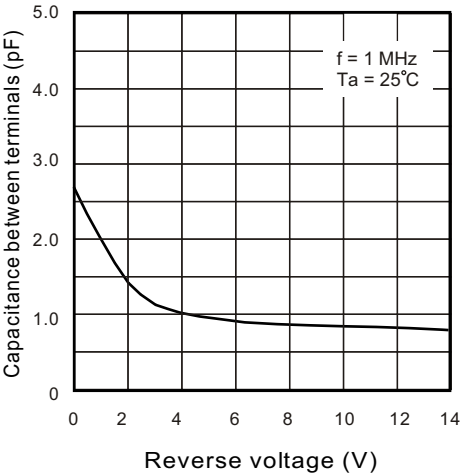


Fig. 4 - Current derating curve

