

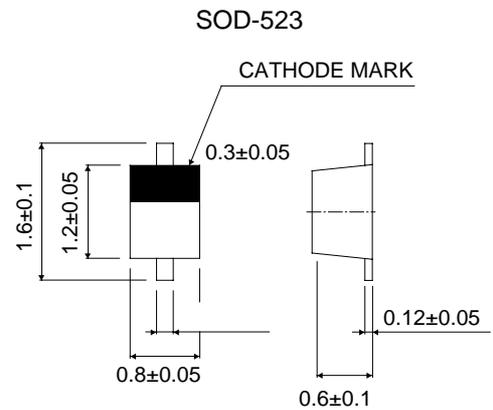
A suffix of "-C" specifies halogen & lead-free

**FEATURES**

- High speed switching
- High reliability
- RoHS Compliant Product

**MECHANICAL DATA**

- Extremely small surface mounting type. (EMD2)
- High speed. (trr=1.2ns type.)
- Silicon epitaxial planer



Dimensions in millimeters

**MAXIMUM RATINGS** ( $T_J = 25$  unless otherwise noted)

Rating	Symbol	Value	Unit
Peak reverse voltage	$V_{RM}$	90	Volts
DC reverse voltage	$V_R$	80	Volts
Mean rectifying current	$I_o$	100	mA
Peak forward current	$I_{FM}$	200	mA
Surge current (1s)	$I_{surge}$	500	mA
Junction Temperature	$T_J$	125	
Storage Temperature Range	$T_{stg}$	-55 to +125	

**ELECTRICAL CHARACTERISTICS** ( $T_A = 25$  )

Characteristic	Symbol	Min	Typ	Max	Unit
Forward voltage ( $I_F = 100mA$ )	$V_F$	-	-	1.2	Volts
Reverse current ( $V_R = 80V$ )	$I_R$	-	-	0.1	mA
Capacitance between terminals ( $V_R = 0.5V, f = 1MHz$ )	$C_T$	-	0.27	3.0	pF
Reverse recovery time ( $V_R = 6V, I_F = 10mA, R_L = 100\Omega$ )	$t_{rr}$	-	-	4	ns

● **Electrical characteristic curves (Ta=25°C)**

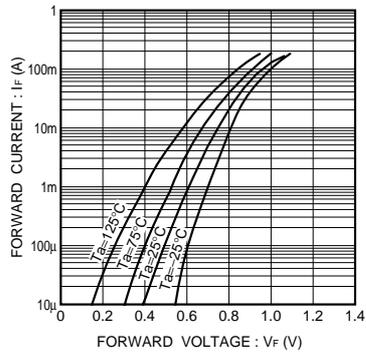


Fig.1 Forward characteristics

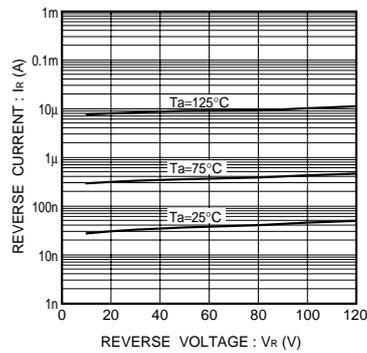


Fig.2 Reverse characteristics

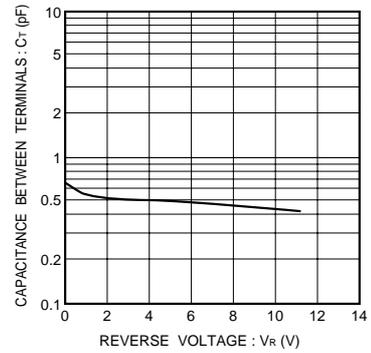


Fig.3 Capacitance between terminals

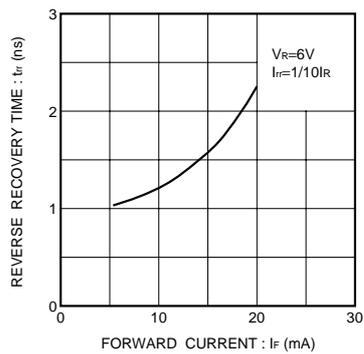


Fig.4 Reverse recovery time characteristics

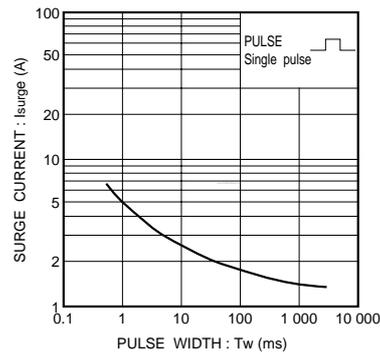


Fig.5 Surge current characteristics

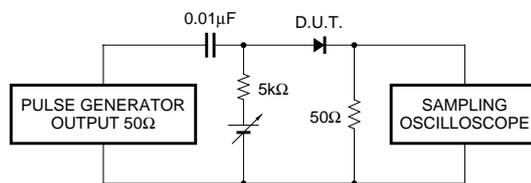


Fig.6 Reverse recovery time ( $t_r$ ) measurement circuit