

V_{RM}	90	V
I_{FM}	450	mA
I_F	215	mA
I_{FSM}	4000	mA

● Features

- High reliability
- Small mold type

● Application

- High speed switching

● Structure

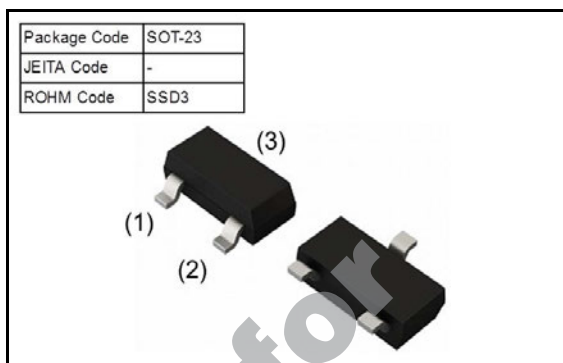
- Epitaxial planar

● Absolute Maximum Ratings (T_a = 25°C)

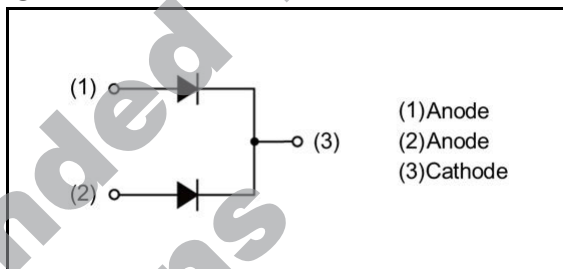
Parameter	Symbol	Conditions	Limits	Unit
Repetitive peak reverse voltage	V_{RM}	-	90	V
Reverse voltage	V_R	-	80	V
Power dissipation	P_D	T _a ≤ 25°C	250	mW
Repetitive peak reverse forward current	I_{FM}	Per diode	450	mA
Peak forward surge current	I_{FSM}	t = 1μs	4000	mA
Forward current	I_F	Per diode	215	mA
		Per device	125	mA
Junction temperature	T _j	-	150	°C
Storage temperature	T _{stg}	-	-65 ~ 150	°C

※Caution: static electricity

● Outline



● Inner Circuit



● Packaging Specifications

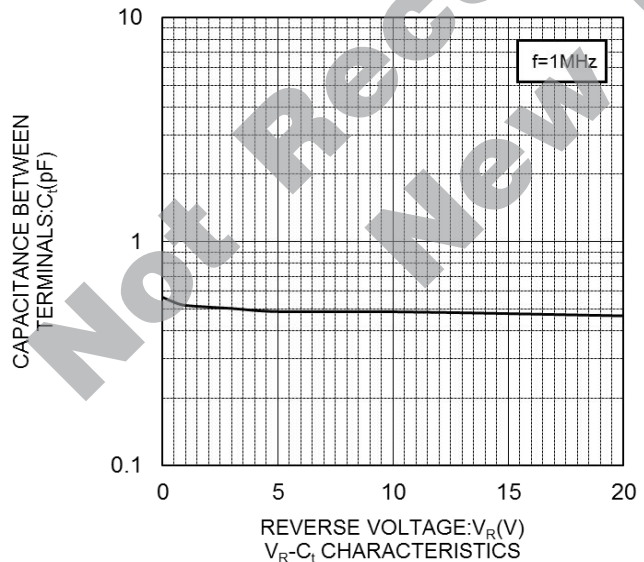
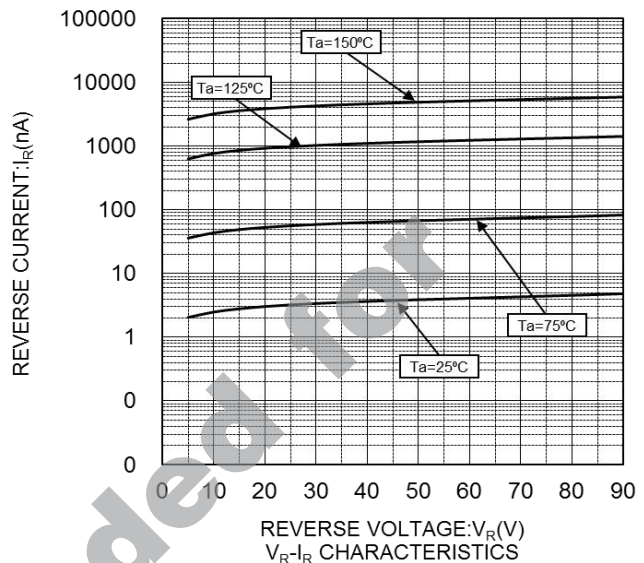
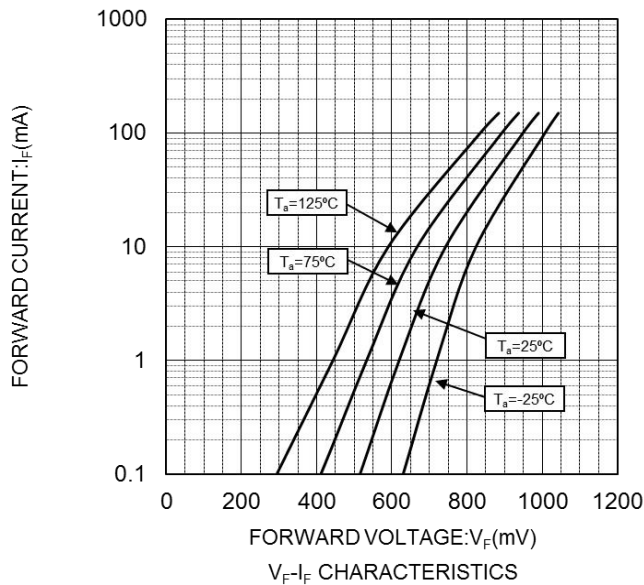
Packing	Embossed Tape
Reel Size(mm)	180
Taping Width(mm)	8
Basic Ordering Unit(pcs)	3000
Taping Code	T116
Marking	D9Y

● Characteristics (T_a = 25°C)

Value per element

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward voltage	V _F	I _F =1mA	-	-	715	mV
		I _F =10mA	-	-	855	mV
		I _F =50mA	-	-	1.00	V
		I _F =150mA	-	-	1.25	V
Reverse current	I _R	V _R =80V T _j =25°C	-	-	0.5	μA
		V _R =25V T _j =150°C	-	-	30	μA
		V _R =80V T _j =150°C	-	-	50	μA
Capacitance between terminals	C _t	V _R =0V f=1.0MHz	-	-	2.0	pF
Reverse recovery time	t _{rr}	I _F =I _R =10mA R _L =100Ω I _{rr} =1mA	-	-	4.0	ns

● Characteristic Curves



● Characteristic Curves

