

Switching Diode

DAN217W

●Applications

Rectifying small power

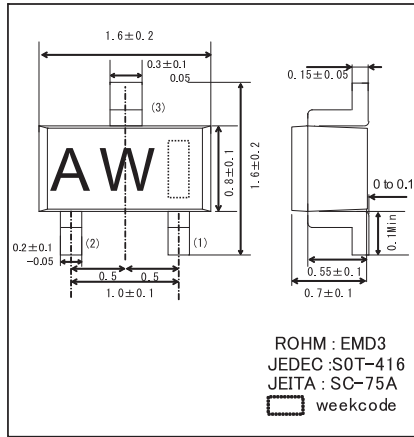
●Features

Small mold type.(EMD3)

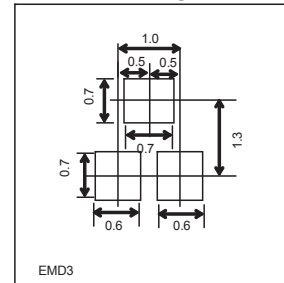
●Construction

Silicon epitaxial

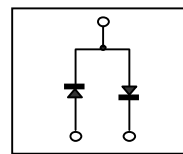
●Dimensions(Unit : mm)



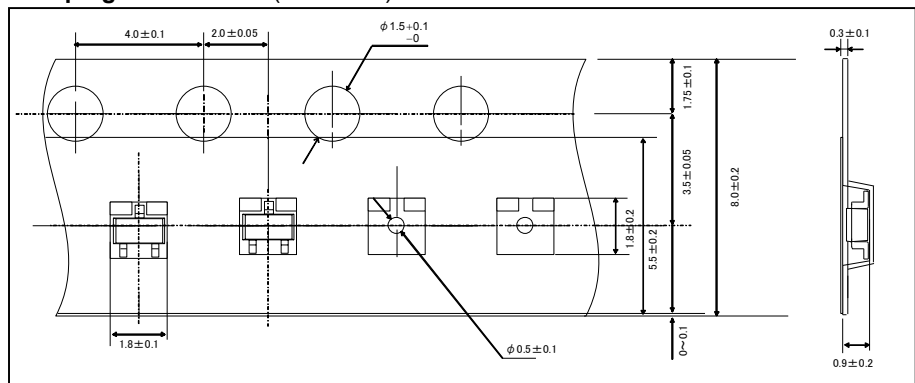
●Land size figure(Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



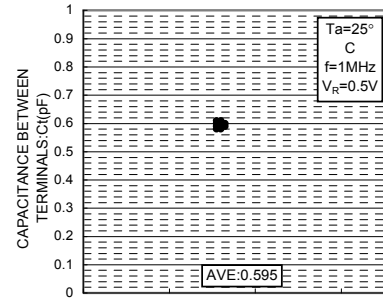
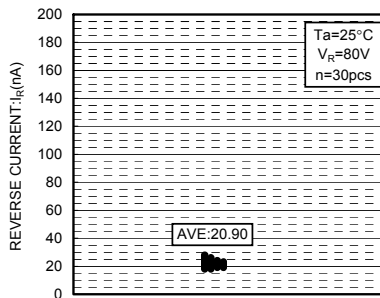
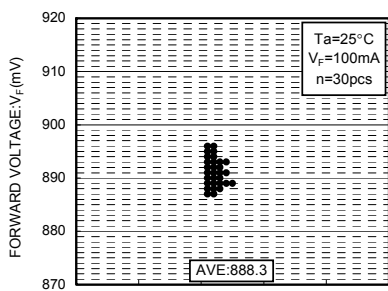
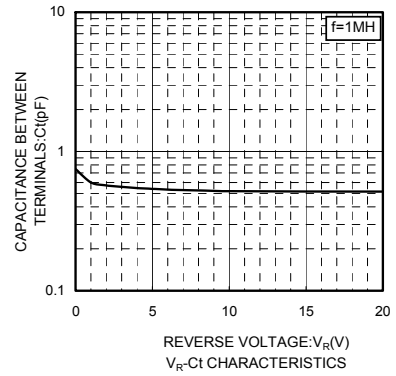
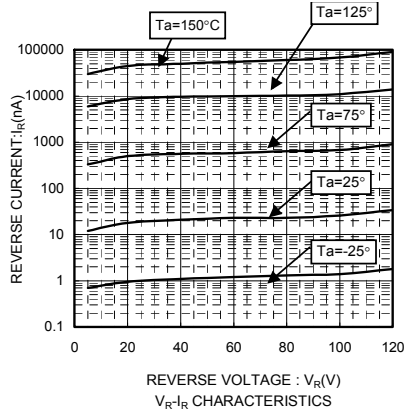
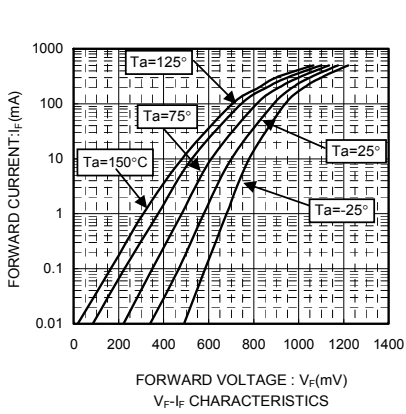
●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	80	V
Reverse voltage (DC)	V_R	80	V
Forward current (Single)	I_{FM}	300	mA
Average rectified forward current	I_o	100	mA
Surge current (t=1us)	I_{surge}	4	A
Power dissipation	P_d	150	mW
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	1.2	V	$I_F=100mA$
Reverse current	I_R	-	-	0.1	μA	$V_R=70V$
Capacitance between terminals	C_t	-	-	3.5	pF	$V_R=6V, f=1MHz$
Reverse recovery time	t_{rr}	-	-	4	ns	$V_R=6V, I_F=5mA, R_L=50\Omega$

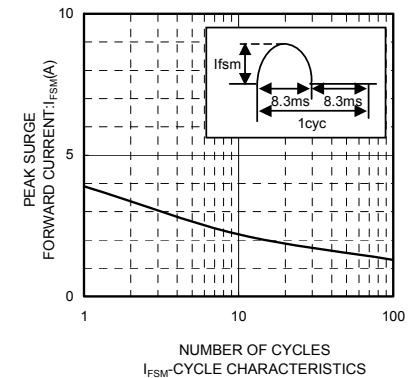
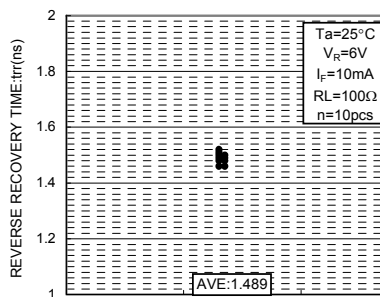
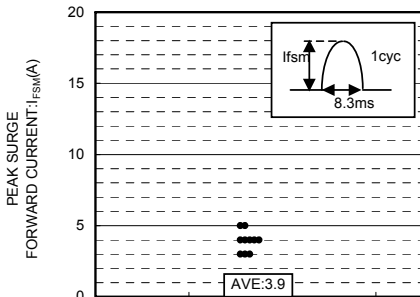
●Electrical characteristics curves



V_F DISPERSION MAP

I_R DISPERSION MAP

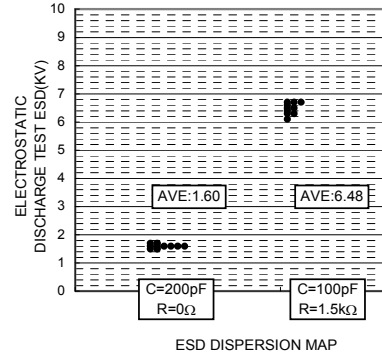
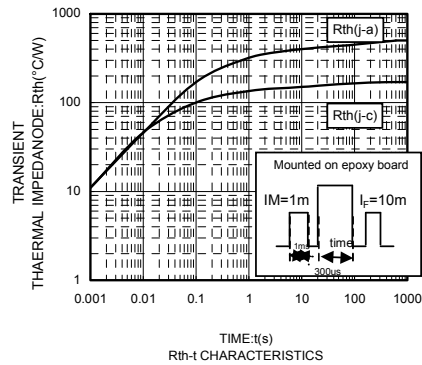
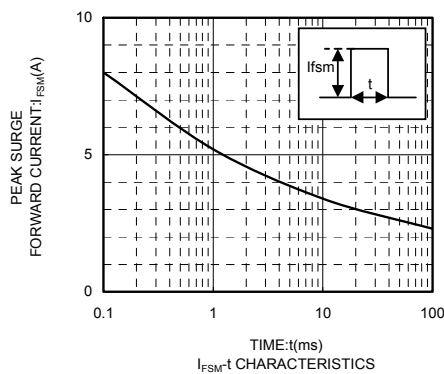
C_t DISPERSION MAP



I_{FSM} DISPERSION MAP

t_{rr} DISPERSION MAP

I_{FSM} CYCLE CHARACTERISTICS



I_{FSM} - t CHARACTERISTICS

R_{th} - t CHARACTERISTICS

ESD DISPERSION MAP

Notes

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