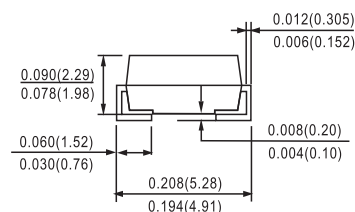
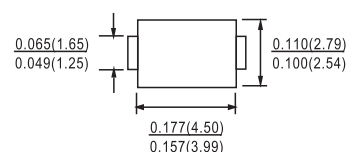


**FEATURES**

- Small power mold type
- Low forward voltage
- Low reverse current
- High reliability

MECHANICAL DATA

- **Case:** SMA (DO-214AC), molded plastic
- **Epoxy:** UL 94V-0 rate flame retardant
- **Lead:** Lead formed for surface mount
- **Polarity:** Color band denotes cathode end
- **Mounting Position:** Any

DO-214AC(SMA)

Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**●Absolute maximum ratings (Ta=25°C)**

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	30	V
Reverse voltage (DC)	V_R	30	V
Average rectified forward current	I_o	2	A
Forward peak surge current (60Hz / 1cyc.)	I_{FSM}	60	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-40 to 150	°C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	–	0.39	0.44	V	$I_F=2A$
Reverse current	I_R	–	50	150	μA	$V_R=30V$
Capacitance between terminals	C_T	–	120	–	pF	$V_R=10V$, $f=1MHz$
Electro static discharge resistance	ESD	–	22	–	kV	$C=200pF$, $R=0\Omega$ 1pulse

RATINGS AND CHARACTERISTIC CURVES

RSX201L-30

●Electrical characteristic curves (Ta=25°C)

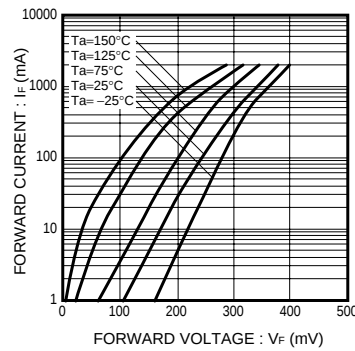


Fig.1 Forward Temperature Characteristics

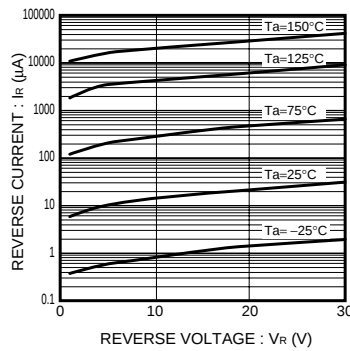


Fig.2 Reverse Temperature Characteristics

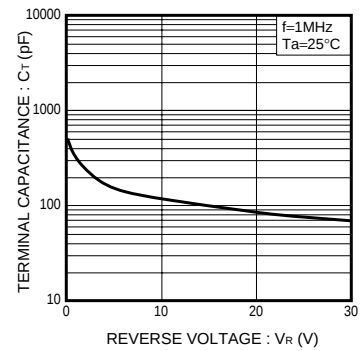


Fig.3 Capacitance Between Terminals Characteristics

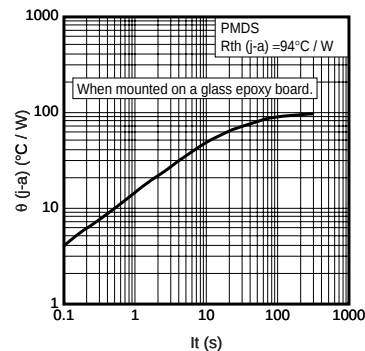


Fig.4 Thermal resistance

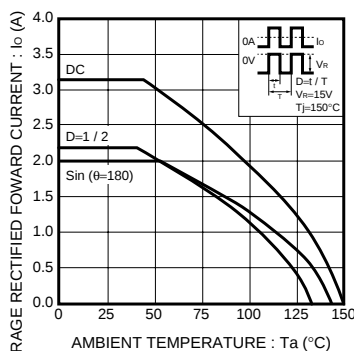


Fig.5 Derating curve (Io-Ta)

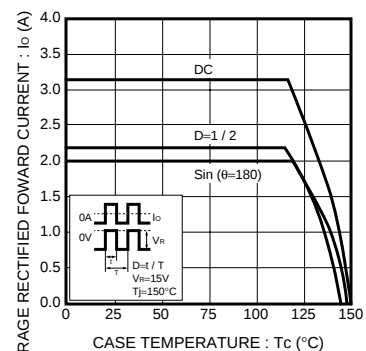


Fig.6 Derating curve (Io-Tc)

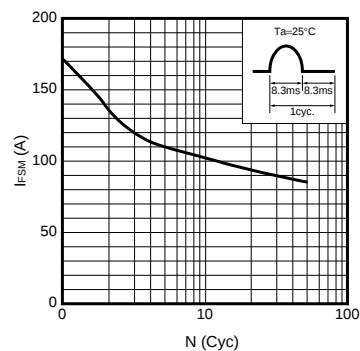


Fig.7 Forward peak surge current (Actual data)

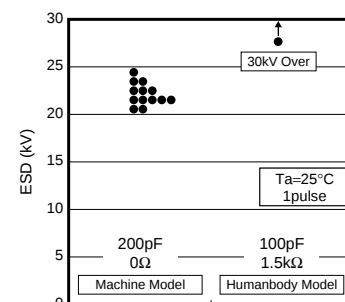


Fig.8 ESD resistance