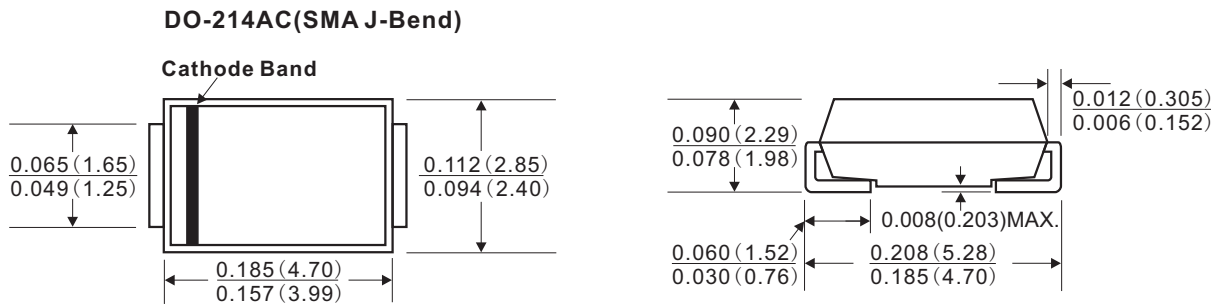


Dimensions (DO-214AC)



Dimensions in inches and (millimeters)

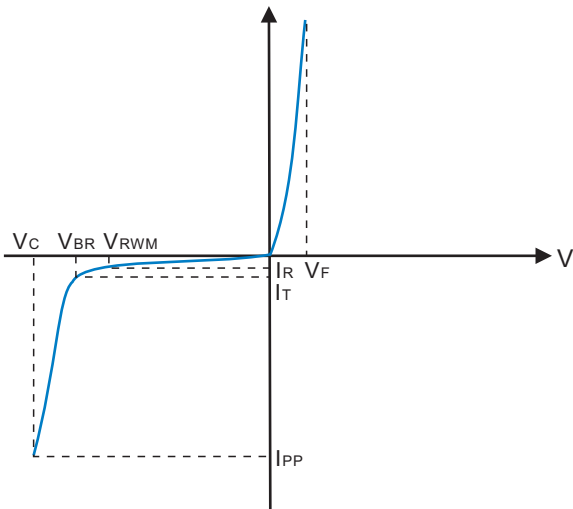
Electrical Characteristics

TSB Part Number		Device Marking Code		Reverse Stand-Off Voltage	Breakdown Voltage @IT		Test Current	Maximum Clamping Voltage @IPP	Peak Pulse Current	Reverse Leakage @VRWM
UNI-Polar	BI-Polar	UNI	BI	VRWM(V)	VBR(V)Min.	VBR(V)Max.	IT(mA)	Vc(V)	IPP(A)	IR(μA)
TSB6.0U	TSB6.0B	AG	WG	6.0	6.67	7.37	10	10.3	46.6	100
TSB8.0U	TSB8.0B	AR	WR	8.0	8.89	9.83	1	13.6	35.3	50
TSB12U	TSB12B	BE	XE	12.0	13.30	14.70	1	19.9	24.1	1
TSB15U	TSB15B	BM	XM	15.0	16.70	18.50	1	24.4	19.7	1
TSB16U	TSB16B	BP	XP	16.0	17.80	19.70	1	26.0	18.5	1
TSB18U	TSB18B	BT	XT	18.0	20.00	22.10	1	29.2	16.4	1
TSB20U	TSB20B	BV	XV	20.0	22.20	24.50	1	32.4	14.8	1
TSB22U	TSB22B	BX	XY	22.0	24.40	26.90	1	35.5	13.5	1
TSB24U	TSB24B	BZ	XZ	24.0	26.70	29.50	1	38.9	12.3	1
TSB26U	TSB26B	CE	YE	26.0	28.90	31.90	1	42.1	11.4	1
TSB28U	TSB28B	CG	YG	28.0	31.10	34.40	1	45.4	10.6	1
TSB30U	TSB30B	CK	YK	30.0	33.30	36.80	1	48.4	9.9	1
TSB33U	TSB33B	CM	YM	33.0	36.70	40.60	1	53.3	9.0	1
TSB36U	TSB36B	CP	YP	36.0	40.00	44.20	1	58.1	8.3	1
TSB40U	TSB40B	CR	YR	40.0	44.40	49.10	1	64.5	7.4	1
TSB51U	TSB51B	CZ	YZ	51.0	56.70	62.70	1	82.4	5.8	1
TSB58U	TSB58B	RG	ZG	58.0	64.40	71.20	1	93.6	5.1	1
TSB60U	TSB60B	RK	ZK	60.0	66.70	73.70	1	96.8	5.0	1
TSB150U	TSB150B	SM	VM	150.0	167.00	185.00	1	243.0	2.0	1
TSB170U	TSB170B	SR	VR	170.0	189.00	209.00	1	275.0	1.7	1
TSB440U	TSB440B	TM	UM	440.0	492.00	534.00	1	713.0	0.7	1

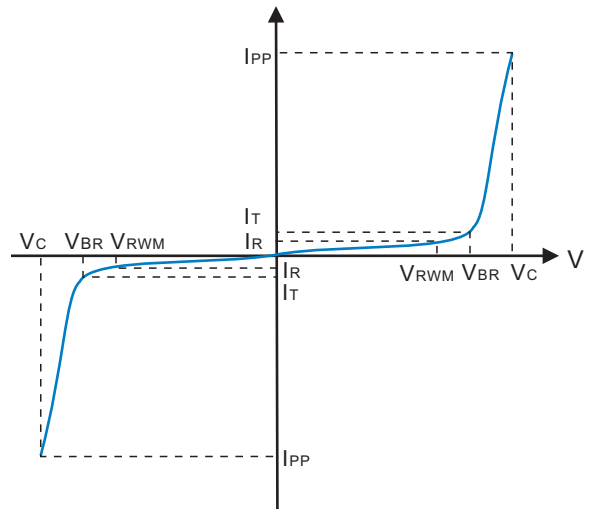
For bidirectional type having VRWM of 10 volts and less, the IR limit is double.

I-V Curve Characteristics

Uni-directional



Bi-directional



Ratings And Characteristic Curves ($T_A=25^\circ\text{C}$ Unless otherwise noted)

Fig.1 Peak Pulse Power Rating

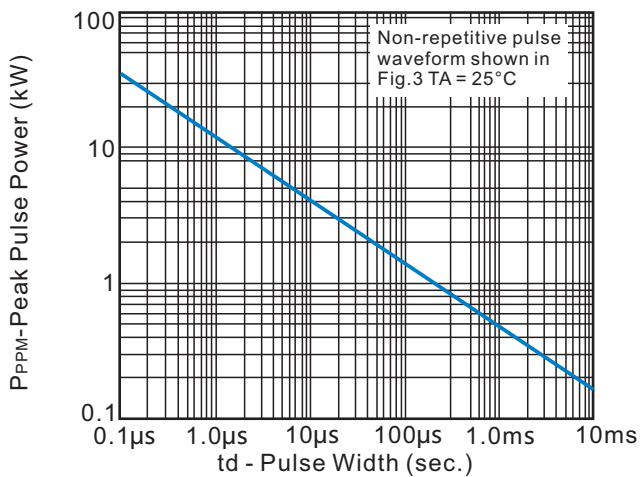


Fig.2 Pulse Derating Curve

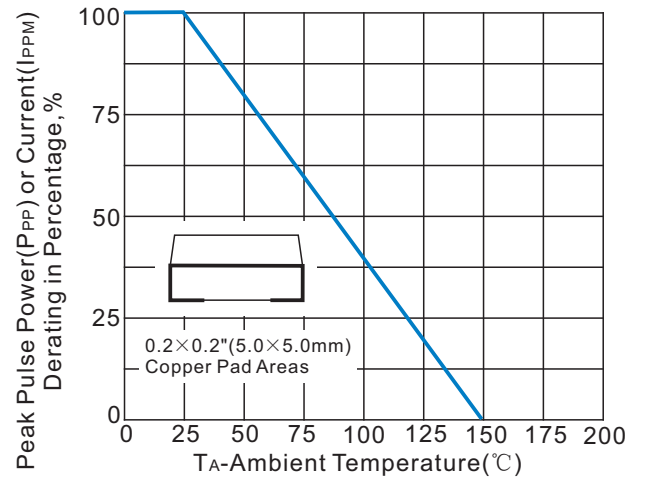


Fig.3 Pulse Waveform

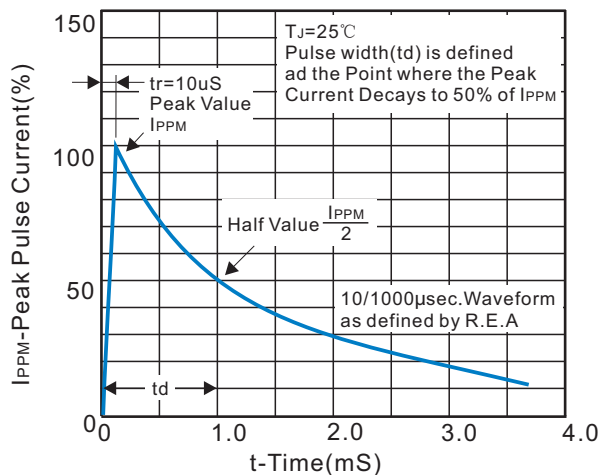
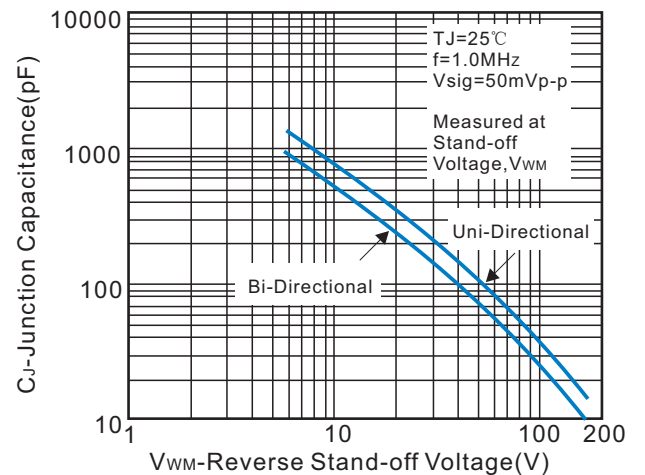


Fig.4 Typical Junction Capacitance



Ratings And Characteristic Curves(T_A=25°C Unless otherwise noted)

Fig.5 Typ. Transient Thermal Impedance

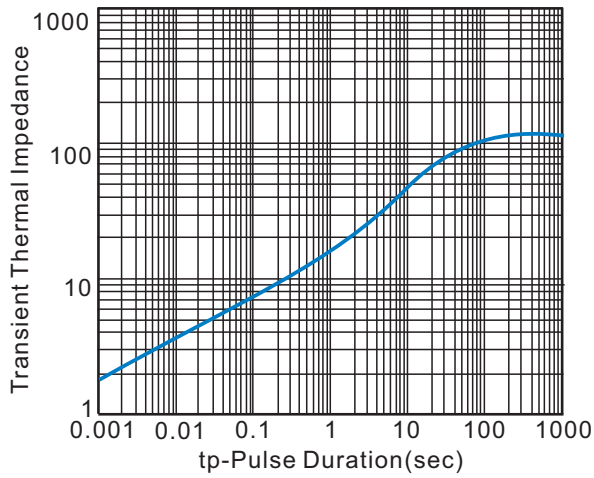
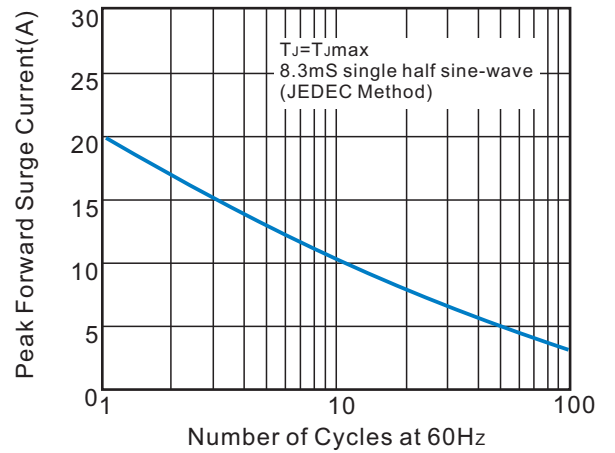


Fig.6 Maximum Non-Repetitive Peak Forward Surge Current Uni-Directional Only

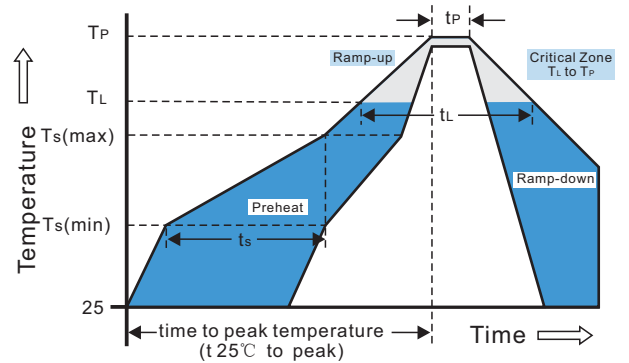


Recommended Soldering Conditions

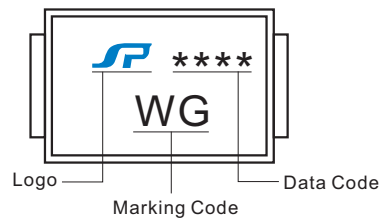
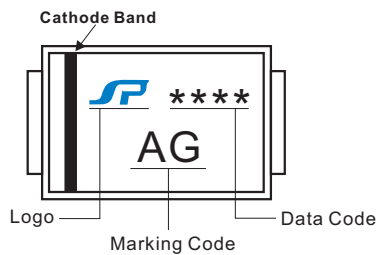
Recommended Conditions

Reflow Condition		Pb-Free assembly (see Fig.1)
Pre Heat	-Temperature Min(T _{s(min)})	+150°C
	-Temperature Max(T _{s(max)})	+200°C
	-Time(Min to Max)(t _s)	60-180secs
Average ramp up rate (Liquidus Temp(T _L) to peak)		3°C/sec.Max.
T _{s(max)} to T _L -Ramp-up Rate		3°C/sec.Max.
Reflow	-Temperature(T _L)(Liquidus)	+217°C
	-Temperature(t _L)	60-150secs
Peak Temp(T _P)		+260(+0/-5)°C
Time within 5°C of actual Peak Temp(t _P)		30 secs.Max.
Ramp-down Rate		6°C/sec.Max.
Time 25°C to Peak Temp(T _P)		8 min.Max.
Do not exceed		+260°C

Reflow Soldering

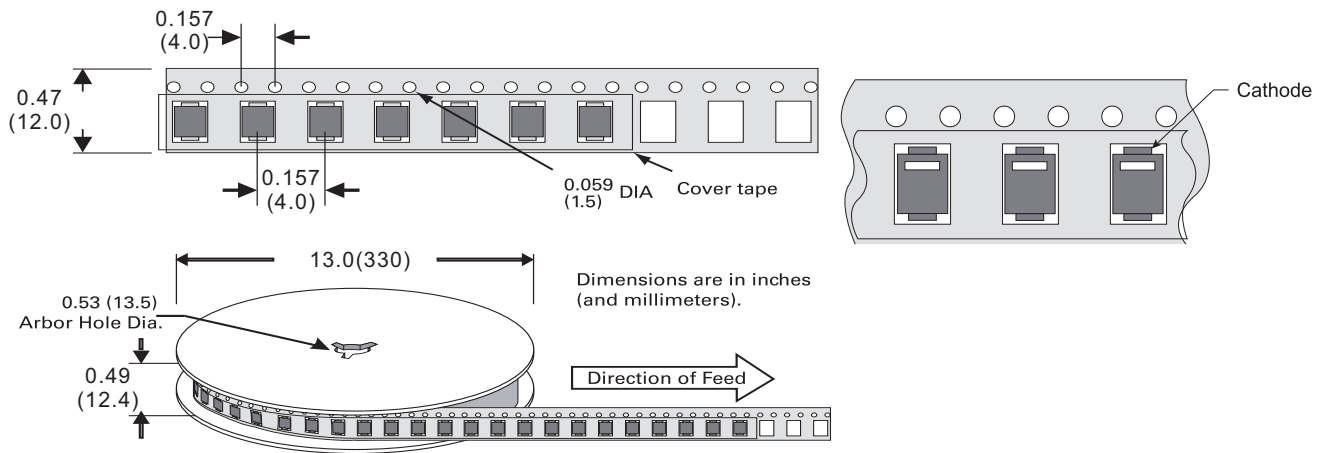


Marking Code



Packing Options And Reel Specification-DO-214AC

Symbol	Ea Per Reel	REEL DIA (mm)	Industry Standard
TSB***	5000	330	EIARS-481



单击下面可查看定价，库存，交付和生命周期等信息

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