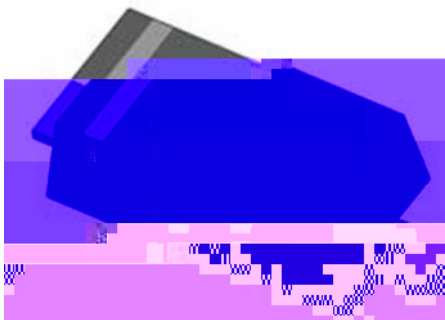


Terminals: Tin plated leads, solderable

J-STD-002 and JESD22-B102

Maximum Ratings (Ta=25°C Unless otherwise specified)

Parameter	Symbol	Unit	Value
Device marking code			A
Repetitive peak reverse voltage	V_{RRM}	V	90
Forward current	I_{FM}	mA	225
Average rectified output current	I_O	mA	100
Non-repetitive surge peak forward current @ t=8.3ms half-sine wave	I_{FSM}	A	2
Non-repetitive surge peak forward current @ t=1ms square wave			1.5
Power dissipation	P_D	mW	150
Junction temperature	T_J	-	-55 to +150

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■ Electrical Characteristics (T_a=25qà Unless otherwise specified)

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Parameter	Symbol	Unit	Conditions	Min	Typ	Max
Reverse voltage	V _R	V	I _R =100uA	80		
Forward voltage	V _F	V	I _F =100mA			1.2
Reverse leakage current	I _R	uA	V _R =80V			0.1
Junction capacitance	C _j	pF	V _R = 0.5V, f =1MHZ			3
Reverse recovery time	T _{rr}	ns	V _R =6V, I _F =10mA, R _L =100 Ω			4

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■ Thermal Characteristics

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Parameter	Symbol	Unit	Value
Thermal resistance, junction-to-ambient	RθJ-A ⁽¹⁾	- /W	833
Thermal resistance, junction-to-case	RθJ-C ⁽¹⁾	- /W	667

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Note:

o 1o Thermal resistance from junction to ambient and from junction to case mounted on P.C.B. with 8mm*9mm copper pad areas

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■ Characteristics

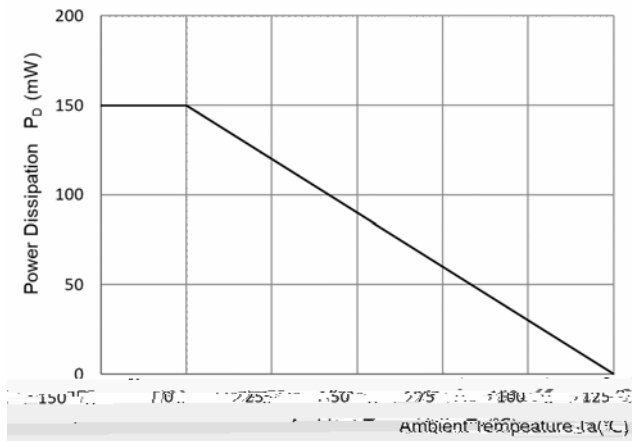
Fig 1 P_D-T_a Curve

Fig 2 Capacitance Capability

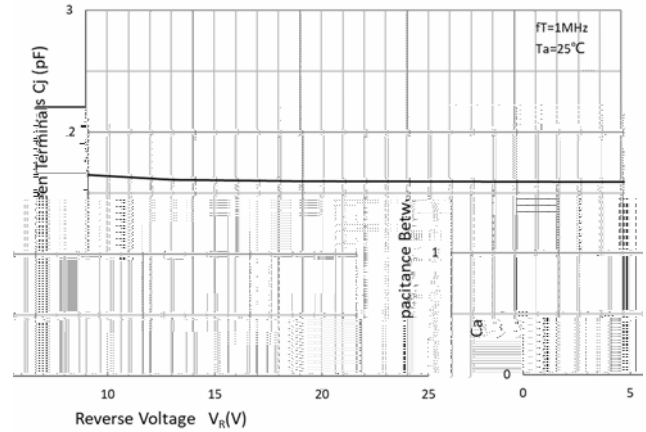


Fig 3 Typical Forward Characteristics

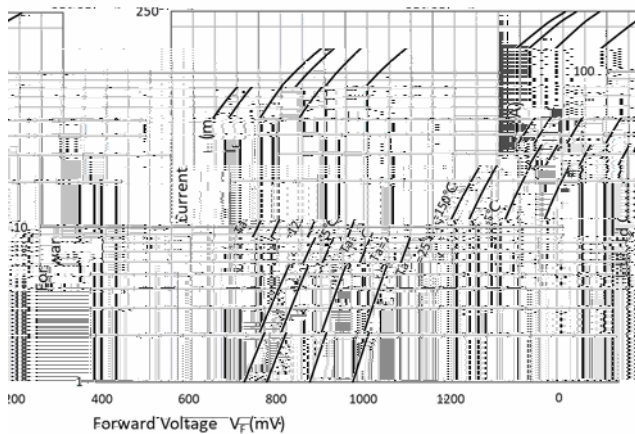
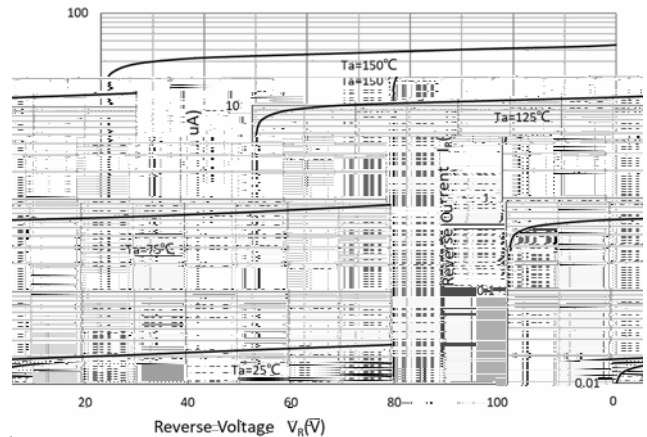


Fig 4 Typical Reverse Characteristics





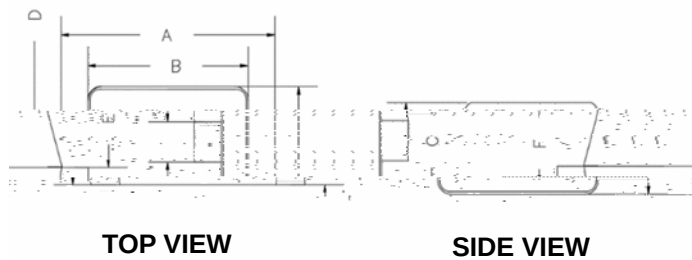
1SS400

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■ Ordering Information

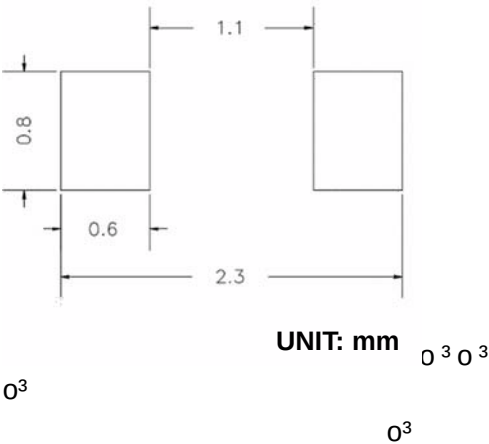
Preferred P/N	Packing code	Unit weight(g)	Minimum package(pcs)	Inner box quantity(pcs)	Outer carton quantity(pcs)	Delivery mode
1SS400	F2	Approximate 0.002	8000	80000	320000	7" reel
1SS400	F3	Approximate 0.002	3000	30000	120000	7" reel

■ Outline Dimensions



DIMENSIONS				
DIM	INCHES		MM	
	MIN	MAX	MM	MAX
A	0.059	0.067	1.500	1.700
B	0.043	0.051	1.100	1.300
C	0.035	0.700	0.900	0.02
D	0.014	0.250	0.350	0.01
E	0.008	0.050	0.000	0.00
F	0.028	0.000	0.700	0.020

■ Suggested Pad Layout





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Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function, or design or otherwise.

The product listed herein is designed to be used with ,wegeq , A i 0 τ Ð A ı ı Rva IMrebcM i r γ'