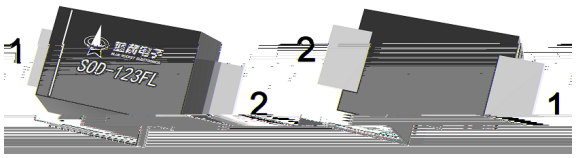
800V 1.0A SOD-123FL

Surface Mount Superfast Recovery Rectifiers, Reverse Voltage：800V,Forward Current:1.0A, SOD-123FL thin package.

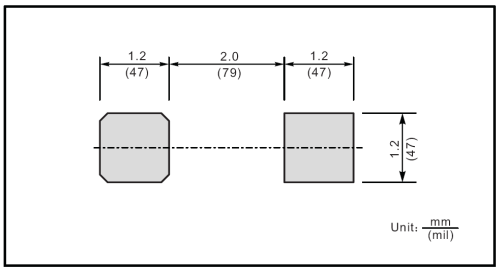
Superfast recovery times for high efficiency,For surface mounted applications,HF Product.

General purpose.



PIN	DESCRIPTION
1	Cathode
2	Anode

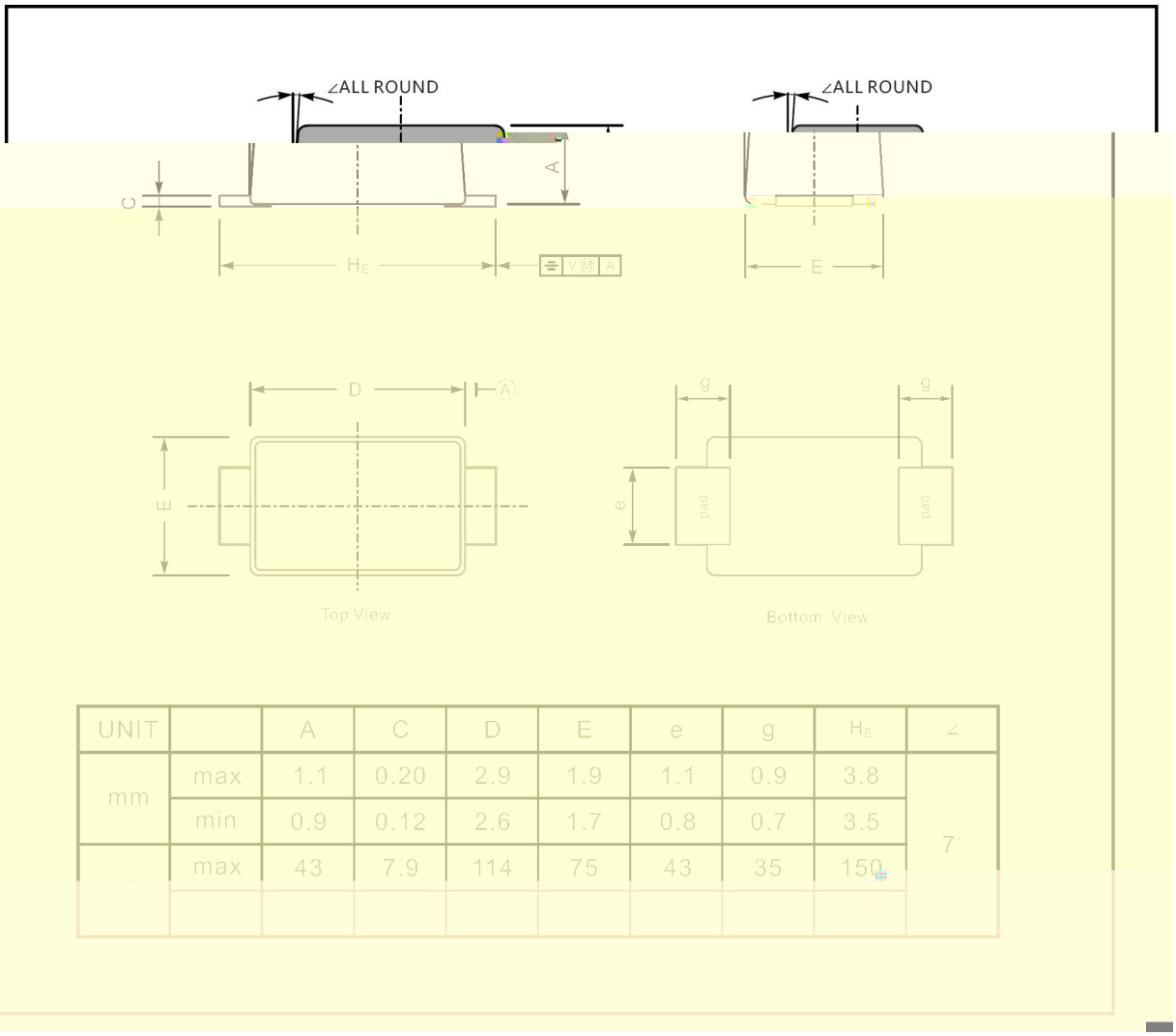
The recommended mounting pad size



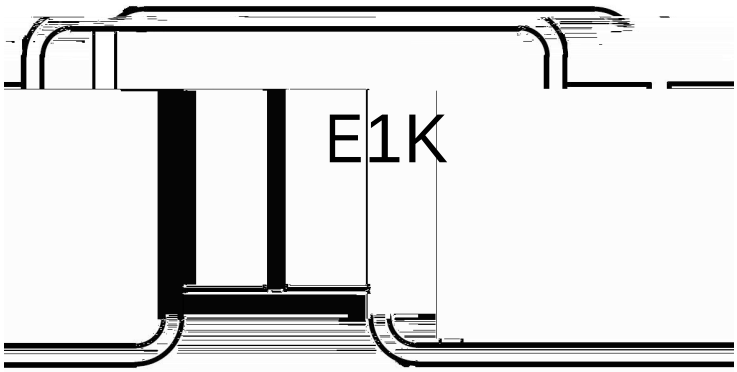
See Marking Instructions.

Parameter	Symbol	Rating	Unit
		ES1KW	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	800	V
Maximum RMS voltage	V_{RMS}	560	V
Maximum DC Blocking Voltage	V_{DC}	800	V
Maximum Average Forward Rectified Current at Tc = 125℃	$I_{F(AV)}$	1.0	A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	30	A
Typical Junction Capacitance at V_R=4V, f=1MHz	C_j		

SOD-123FL



UNIT		A	C	D	E	e	g	H_E	∠
mm	max	1.1	0.20	2.9	1.9	1.1	0.9	3.8	7°
	min	0.9	0.12	2.6	1.7	0.8	0.7	3.5	
..	max	43	7.9	114	75	43	35	150	



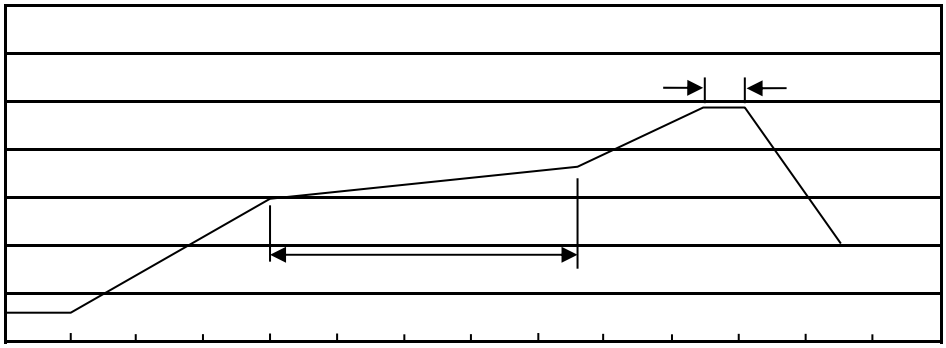
E1K

Note:

E1K Product Type Code

Lot No. Code, code change with Lot No

Temperature Profile for IR Reflow Soldering(Pb-Free)



				Note:
1	150	180	60 90sec;	1.Preheating:150~180 , Time:60~90sec.
2	245±5		5±0.5sec;	2.Peak Temp.:245±5 , Duration:5±0.5sec.
3		2 10	/sec.	3. Cooling Speed: 2~10 /sec.

260±5	10±1 sec.	Temp.:260±5	Time:10±1 sec

/ REEL

Package Type	Units					Dimension		(unit mm³)
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
SOD-123FL	3,000	8	24,000	6	144,000	7″ ×8	185×180×105	390×385×205