800V 1.0A SOD-123FL

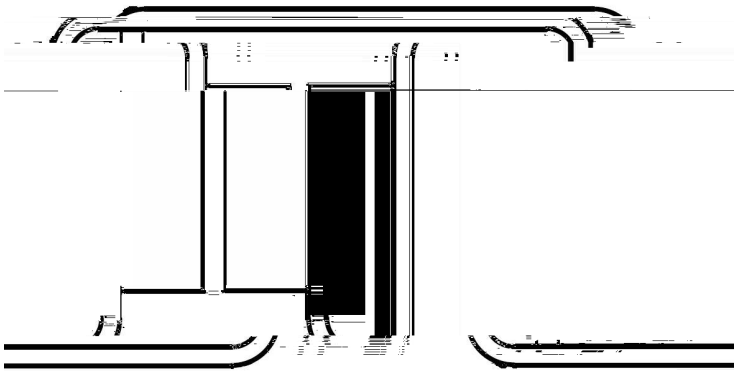
Surface Mount Superfast Recovery Rectifiers, Reverse Voltage 800V,Forward Current:1.0A, SOD-123FL thin package.

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

General purpose.

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		



E1K

Note:

E1K Product Type Code

.fs.-.0029.7(t No. 4.2(, c.2(chang)]T5(e with Lot NoTT6 1 Tf6.3893ode4470 Tc0 Tw( )Tj

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	