

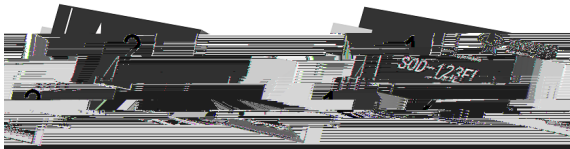
Rev.A Sep.-2023

800V 1.0A SOD-123FL

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

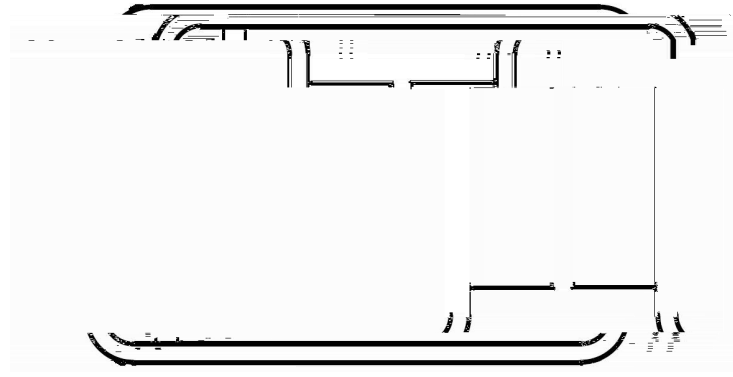
Superfast recovery times for high efficiency, For surface mounted applications, HF Product.

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 $T_c = 125$	$I_{F AV}$	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()T)

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
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/ REEL

Package Type	Units	Dimension	(unit mm ³)
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