/ Descriptions

800V 1.0A SOD-123FL

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

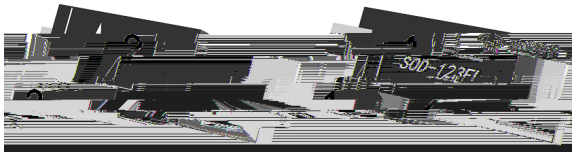
/ Features

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

/ Applications

General purpose.

/ Equivalent Circuit



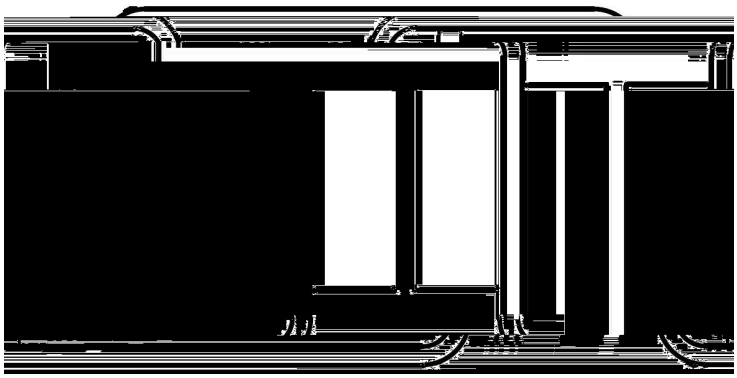
/ Marking

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		

ES1KW

/ Marking Instructions



E1K

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Note:

E1K Product Type Code

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( ) / 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.

/ Resistance to Soldering Heat Test Conditions

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

/ Packaging SPEC.

/ REEL

Package Type	Units	Dimension	(unit mm³)