/ Descriptions

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Surface Mount Superfast Recovery Rectifier,Reverse Voltage:800V,Forward Current:1.0A, SMA package.

/ Features

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Glass Passivated Chip Junction Superfast reverse recovery time Lead free in comply with EU R0HS 2011/65/EU directives For surface mounted applications,HF product.

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General purpose.



/ Marking

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See Marking Instructions.

v ˝Ω Parameter	٩ N Symbol	˝Ω Ö Rating ES1K	D Ч Unit
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 °C	$I_{F\ AV}$	1.0	A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load	I_{FSM}	30	A
Typical Junction Capacitance at V_R=4V, f=1MHz	C_j	15	pF
Typical Thermal Resistance [1]	R_{0JA}	60	/W
Operating and Storage Temperature Range	T_j,T_{stg}	-55~+150	

Note:
1 P.C.B. mounted with 1.0 X 1.0" (2.54 X 2.54 cm) copper pad areas.

v ˝Ω Parameter	٩ N Symbol	╨ ⁝ ٭ ٹ Test Conditions	Rating ES1M 6o 55ef(6o 55ef/60f360 42 50 ubErp#R 7 b8 UA d5H Qbv8 8b	D Ч Unit

/ Package Dimensions



ES1K