

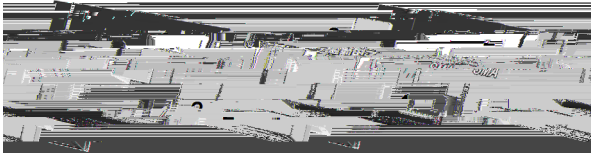
/ Descriptions

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

/ Features

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

General purpose.



/ Marking

See Marking Instructions.

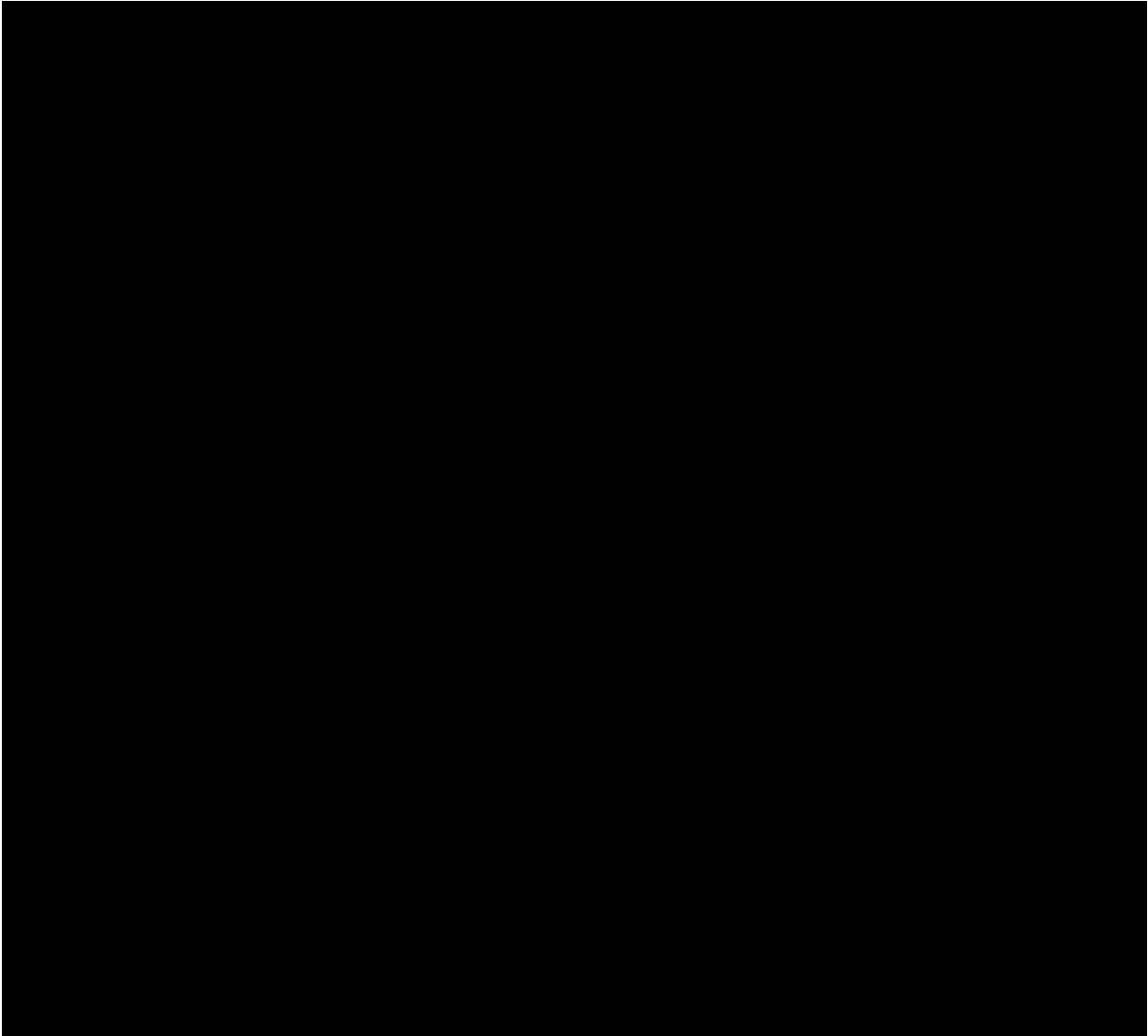
Parameter	Symbol	Rating	Unit
		ES1K	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	800	V
Maximum RMS voltage	V_{RMS}	560	V
Maximum DC Blocking Voltage	V_{DC}	800	V
Maximum Average Forward Rectified Current at $T_c=125\text{ }^\circ\text{C}$	$I_{F\ AV}$	1.0	A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load	I_{FSM}	30	A
Typical Junction Capacitance at $V_R=4\text{V}$, $f=1\text{MHz}$	C_j	15	pF
Typical Thermal Resistance ¹	R_{JA}	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.

Parameter	Symbol	Test Conditions	Rating	Unit
			ES1M 60.55ref(60.55) 100f360.42-50 0bErp#R75r6bUd5H6bbv88	

/ Package Dimensions



ES1K

