

/ Descriptions

; 33Y 413D VPD

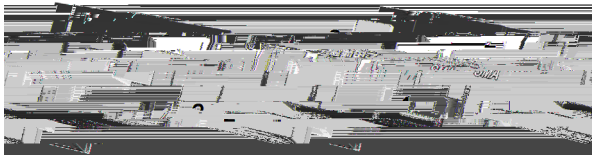
Surface Mount Superfast Recovery Rectifier, Reverse Voltage: 800V, Forward Current: 1.0A, SMA package.

/ Features

UrKV 53442982HX

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.

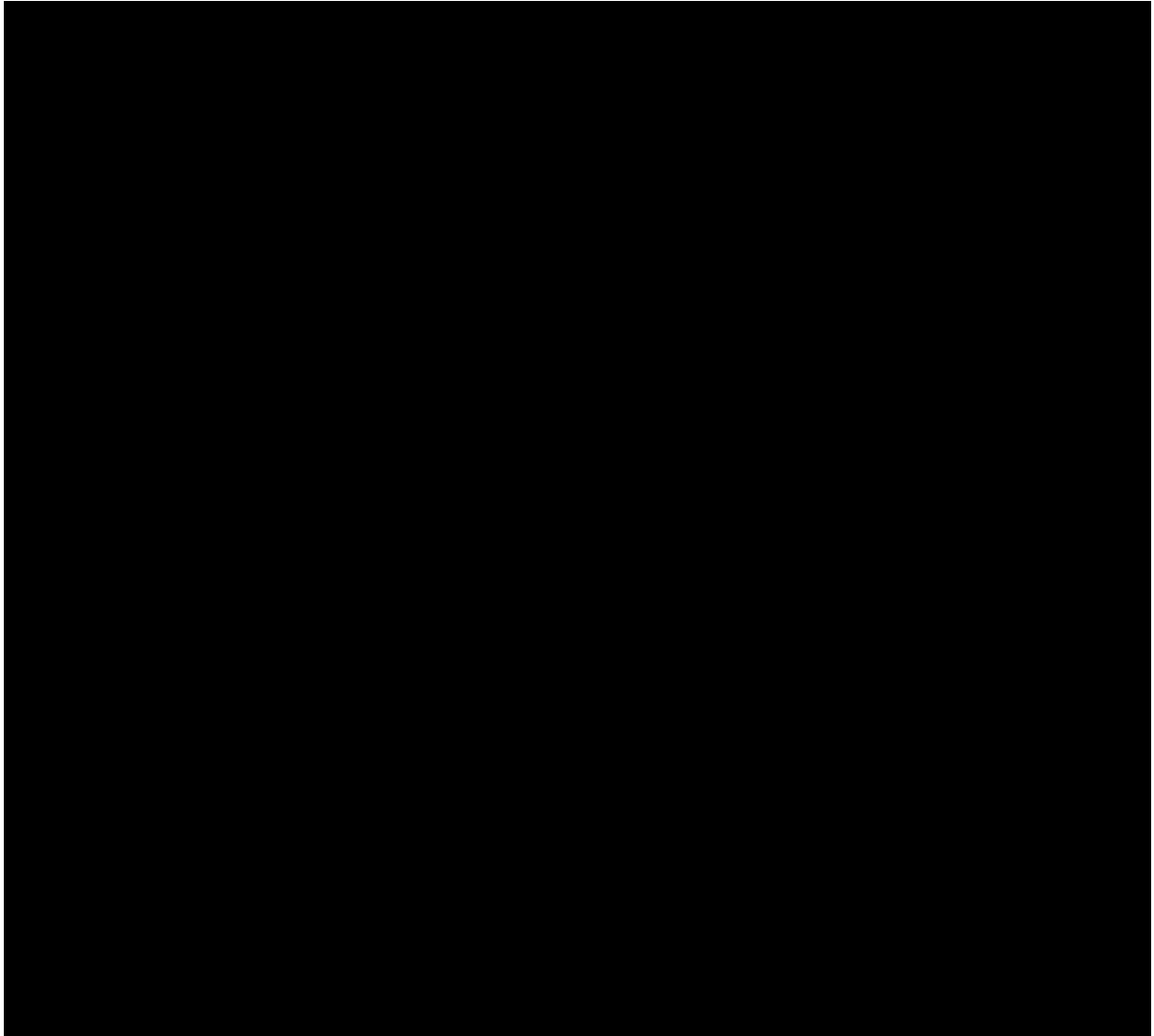
Parameter	Symbol	Rating	Unit
		ES1K	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	800	V
Maximum RMS voltage	V_{RMS}	560	V
Maximum DC Blocking Voltage	V_{DC}	800	V
Maximum Average Forward Rectified Current at $T_c=125\text{ }^{\circ}\text{C}$	$I_{F\text{ }AV}$	1.0	A
Peak Forward Surge Current 8.3 ms 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	$R_{\Delta JA}$	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 60.55ef(60.55ef) 360.42.50 0.0bEP#Rc75400bUad5H65bvb8b	

/ Package Dimensions



ES1K

