

Fast Silicon Rectifier

www.DataSheet4U.com

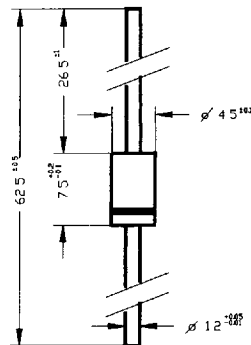
Nominal current 1,2 A

Repetitive peak reverse voltage 1000..2500 V

Plastic case = DO-13

Package material according UL94-V0

Weight approx. 1 g



All dimensions in mm

Maximum ratings

		SHG 1	1.5	2	2.5
Repetitive peak reverse voltage	V_{RRM}	1000	1500	2000	2500 V
Surge forward current half cycle sine wave starting at $T_j = 25^\circ\text{C}$	I_{FSM}			6	A
Junction temperature	T_j			150	$^\circ\text{C}$
Operating temperature	T_A		-40..+150		$^\circ\text{C}$
Storage temperature	T_S		-40..+150		$^\circ\text{C}$

Characteristics

Nominal current at half wave rectif. with resistive load; $T_A = 50^\circ\text{C}$	I_{FAV}	200 mA
Forward voltage at $I_F = 3\text{ A}$, $T_j = 25^\circ$	V_F	< 4.0 V
Leakage current at V_{RRM} , $T_j = 25^\circ\text{C}$	I_R	< 10 μA
Reverse recovery time $I_F = 100\text{ mA}$	t_{rr}	< 1 μs
Thermal resistance	R_{thU}	< 60 K/W ₁₎

1) Valid, if leads are kept at ambient temperature at a distance of 10mm from case