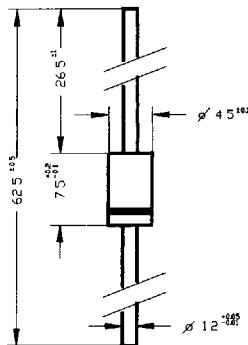


Fast Silicon Rectifier

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