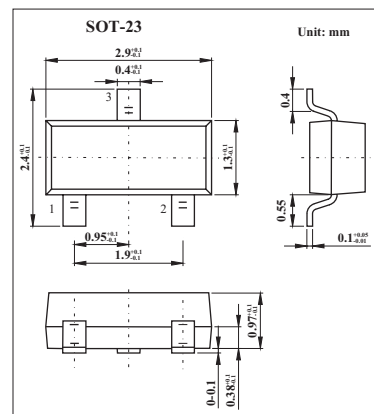


Silicon Schottky Barrier Diode

HRW0703A

■ Features

- Low forward voltage drop and suitable for high efficiency rectifying.
- MPAK package is suitable for high density surface mounting and high speed assembly.

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Value	Unit
Repetitive peak reverse voltage	V_{RRM}	30	V
Forward current	I_F	700	mA
Non-repetitive peak forward surge current	I_{FSM} (Note 1)	5	A
Junction temperature	T_j	125	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to + 125	$^\circ\text{C}$

Note

1. 50Hz sine wave 1 pulse

■ Electrical Characteristics $T_a = 25^\circ\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F = 700\text{ mA}$			0.50	V
Reverse current	I_R	$V_R = 30\text{ V}$			100	μA
Capacitance	C	$V_R = 0\text{ V}, f = 1\text{ MHz}$		150		pF
Thermal resistance	$R_{th(j-a)}$	Polyimide board		390		$^\circ\text{C/W}$
		Ceramic board		290		

■ Marking

Marking	S8
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