

SMD Type

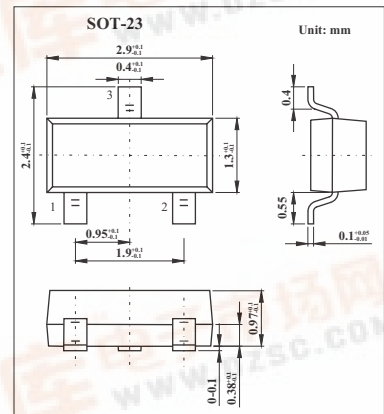
Diodes

Silicon Schottky Barrier Diode

HRW0702A

■ 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 Ta = 25°C

Parameter	Symbol	Value	Unit
Repetitive peak reverse voltage	V <sub>RRM</sub>	20	V
Forward current	I <sub>F</sub>	700	mA
Non-repetitive peak forward current	I <sub>FM</sub>	1.4	A
Non-repetitive peak forward surge current	I <sub>FSM</sub> (Note 1)	5	A
Junction temperature	T <sub>j</sub>	125	°C
Storage temperature	T <sub>stg</sub>	-55 to + 125	°C

Note

1. 10msec sine wave 1 pulse

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V <sub>F</sub>	I <sub>F</sub> = 500 mA			0.43	V
Reverse current	I <sub>R</sub>	V <sub>R</sub> = 30 V			200	μ A
Capacitance	C	V <sub>R</sub> = 0 V, f = 1 MHz		120		pF
Thermal resistance	R <sub>th(j-a)</sub>	Polyimide board		340		°C/W

■ Marking

Marking	S15
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