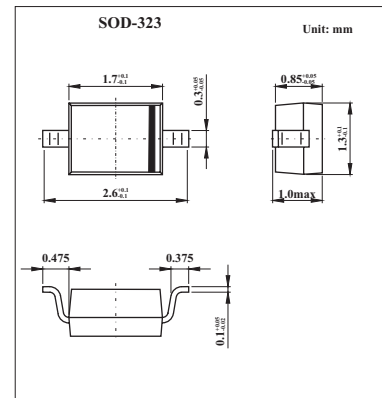


K0530WS(B0530WS)

■ Features

- Very Low Forward Voltage Drop
- Guard Ring Construction for Transient Protection
- High Conductance



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Peak repetitive reverse voltage	V _{RRM}	30	V
Working peak reverse voltage	V _{RWM}		
DC blocking voltage	V _R		
RMS reverse voltage	V _{R(RMS)}	21	V
Average rectified output current	I _O	0.5	A
Non-Repetitive Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	2	A
Power dissipation *	P _D	235	mW
Typical Thermal Resistance Junction to Ambient *	R _{θJA}	426	°C/W
Operating and storage temperature range	T _j , T _{stg}	-40 to +125	°C

* Valid provided that terminals are maintained at ambient temperature.

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditions	Min	Typ	Max	Unit
Reverse Breakdown Voltage	V _{(BR)R}	I _R = 500 μA	30			V
Forward voltage	V _F	I _F = 0.1A			0.36	V
		I _F = 0.5A		0.41	0.45	
Leakage current	I _R	V _R = 15V			80	μA
		V _R = 20V			100	
		V _R = 30V			500	
Junction Capacitance	C _J	V _R = 0, f = 1.0MHz		60		pF

■ Marking

Marking	SE
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