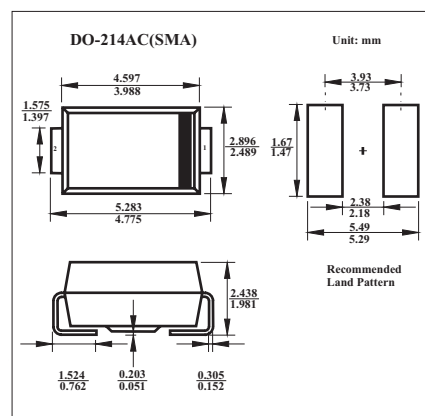


Surface Mount Schottky Barrier Rectifier

KS22 THRU KS26

■ Features

- For surface mounted applications.
- Low profile package.
- Built-in strain relief.
- Metal silicon junction, majority carrier conduction.
- Low power loss, high efficiency.
- High current capability, low forward voltage drop.
- High surge capability.



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

Parameter	Symbol	KS22	KS23	KS24	KS25	KS26	Unit
Maximum repetitive peak reverse voltage	V _{RRM}	20	30	40	50	60	V
Maximum RMS voltage	V _{RMS}	14	21	28	35	42	V
Maximum DC blocking voltage	V _{DC}	20	30	40	50	60	V
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I(AV)	2					A
Maximum average forward rectified current at TL	I _{FSM}	50					A
Maximum instantaneous forward voltage at 1.0A * 1	V _F	0.5			0.7		V
Maximum DC reverse current * 1 T _A =25℃ at rated DC blocking voltage T _A =100℃	I _R	0.4					mA
		10					
Typical thermal resistance	R θ JA	55					℃/W
	R θ JL	17					
Operating junction temperature range	T _J	-65 to +125			-65 to +150		℃
Storage temperature range	T _{stg}	-65 to +150					℃

* 1. Pulse test: 300ms pulse width, 1% duty cycle.

■ Marking

NO.	KS22	KS23	KS24	KS25	KS26
Marking	SS22	SS23	SS24	SS25	SS26