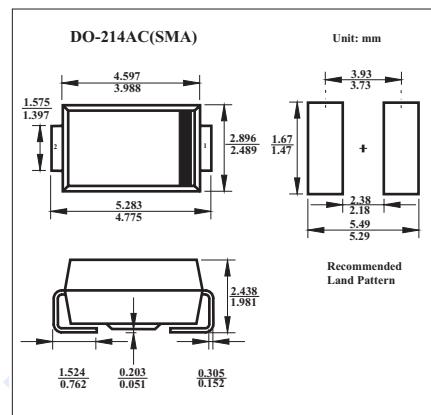


## Schottky Rectifiers

### KS12 - KS100 (SS12 - SS100)

#### ■ Features

- Glass passivated junctions.
- High current capability, low VF.
- For use in low voltage, high frequency inverters free wheeling, and polarity protection applications.



#### ■ Absolute Maximum Ratings Ta = 25°C unless otherwise noted

Parameter	Symbol	KS12	KS13	KS14	KS15	KS16	KS18	KS19	KS100	Unit
Maximum Repetitive Reverse Voltage	V <sub>RRM</sub>	20	30	40	50	60	80	90	100	V
Average Rectified Forward Current .375 " lead length @ T <sub>A</sub> = 75°C	I <sub>F(AV)</sub>						1.0			A
Non-repetitive Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave	I <sub>FSM</sub>						40			A
Storage Temperature Range	T <sub>stg</sub>					-65 to +150				°C
Operating Junction Temperature	T <sub>J</sub>					-65 to +125				°C
Power Dissipation	P <sub>D</sub>					1.1				W
Thermal Resistance, Junction to Ambient *	R <sub>θ JA</sub>					88				°C/W

\*Device mounted on FR-4 PCB 0.013 mm.

#### ■ Electrical Characteristics Ta = 25°C unless otherwise noted

Parameter	Symbol	KS12	KS13	KS14	KS15	KS16	KS18	KS19	KS100	Units
Forward Voltage @ 1.0 A	V <sub>F</sub>	500			700		850			mV
Reverse Current @ rated V <sub>R</sub> T <sub>A</sub> = 25°C T <sub>A</sub> = 100°C	I <sub>R</sub>				0.2					mA
						10				mA