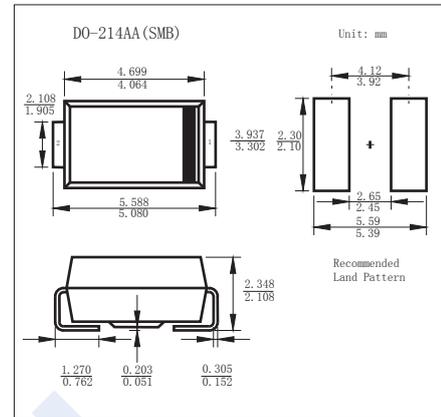


## Schottky Diodes

### SS12 ~ SS110

#### ■ Features

- Low Forward Voltage
- Guard Ring Protection
- High Current Capability
- Epoxy meets UL 94 V-0 flammability rating



#### ■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	SS12	SS13	SS14	SS15	SS16	SS18	SS110	Unit
Repetitive Peak Reverse Voltage	VRRM	20	30	40	50	60	80	100	V
RMS Voltage	VRMS	14	21	28	35	42	56	70	
Maximum DC Blocking Voltage	VDC	20	30	40	50	60	80	100	
Averaged Forward Current, Tj=100°C	IFAV	1							A
Peak Forward Surge Current @ 8.3ms	IFSM	30							
Thermal Resistance from Junction To Lead	RθJL	28							°C/W
Junction Temperature	Tj	150							°C
Operating Temperature	Topr	-55 to 125							
Storage Temperature	Tstg	-55 to 150							

#### ■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward voltage	VF	IF= 1A, Tj=25°C			0.45	V
					0.55	
					0.55	
					0.7	
					0.85	
Reverse voltage leakage current	IR	Ta = 25°C			0.5	mA
		Ta = 100°C			20	
Junction capacitance	CJ	VR=4V, f=1MHz			110	pF
					90	

#### ■ Marking

NO.	SS12	SS13	SS14	SS15	SS16	SS18	SS110
Marking	SS12	SS13	SS14	SS15	SS16	SS18	SS110

# Schottky Diodes

## SS12 ~ SS110

■ Typical Characteristics

