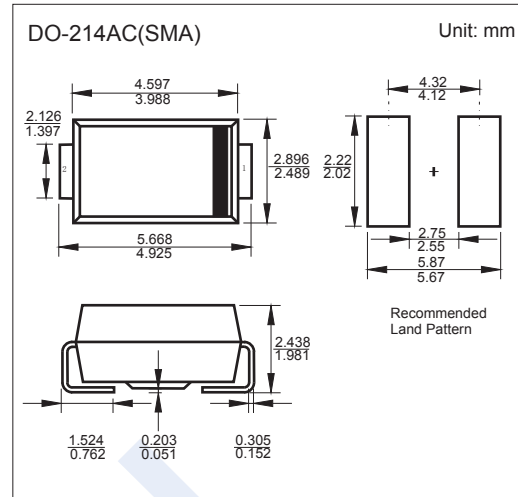


## SURFACE MOUNT FAST RECOVERY RECTIFIER

## FR105

## ■ Features

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- For surface mounted applications
- Fast switching for high efficiency
- Low reverse leakage
- Built-in strain relief, ideal for automated placement
- High forward surge current capability
- High temperature soldering guaranteed:
- 250 °C/10 seconds at terminals

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

Parameter	Symbol	Rating	Unit
Reverse Voltage	$V_{RRM}$	600	V
RMS Voltage	$V_{RMS}$	420	
DC Blocking Voltage	$V_{DC}$	600	
Forward Voltage $I_F=1A$	$V_F$	1.3	
Forward Current	$I_{(AV)}$	1	A
Peak Forward Surge Current	$I_{FM}$	30	
DC Reverse Current $T_A=25^\circ\text{C}$	$I_R$	5	uA
DC Blocking Voltage $T_A=100^\circ\text{C}$		50	
Reverse recovery time	$t_{rr}$	250	ns
Junction capacitance	$C_j$	15	pF
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	50	$^\circ\text{C}/\text{W}$
Junction Temperature	$T_J$	150	$^\circ\text{C}$
Storage Temperature range	$T_{stg}$	-65 to +150	

■ Marking:RS1J

# SURFACE MOUNT FAST RECOVERY RECTIFIER

## FR105

### ■ Typical Characteristics

