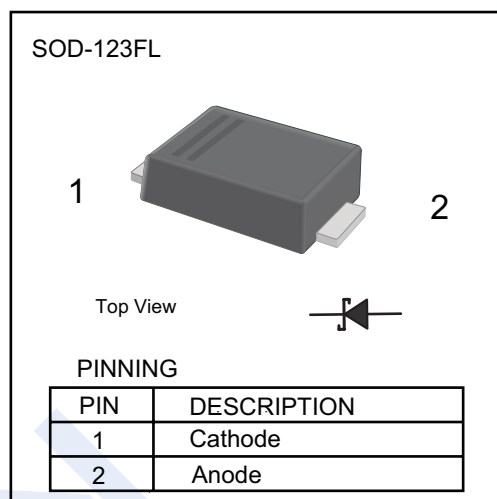


## Schottky Diodes

### SS22FL ~ SS220FL

#### ■ Features

- Metal silicon junction, majority carrier conduction
- For surface mounted applications
- Low power loss, high efficiency
- High forward surge current capability
- For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications



#### ■ Absolute Maximum Ratings $T_A = 25^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	SS 22FL	SS 24FL	SS 26FL	SS 28FL	SS 210FL	SS 212FL	SS 215FL	SS 220FL	Unit
Repetitive Peak Reverse Voltage	$V_{RRM}$	20	40	60	80	100	120	150	200	V
Surge Peak Reverse Voltage	$V_{RSM}$	14	28	42	56	70	84	105	140	
Maximum DC Blocking Voltage	$V_{DC}$	20	40	60	80	100	120	150	200	
Averaged Forward Current	$I_O$	2								A
Peak forward surge current	$I_{FSM}$	50				40				
Instantaneous Forward Voltage at 2A	$V_F$	0.55		0.7		0.85		0.95		V
Maximum DC Reverse Current at rated DC blocking voltage	$I_{R66}$	$T_A=25^\circ\text{C}$ 0.5			$T_A=100^\circ\text{C}$ 0.3					mA
		5			3					
Typical Junction Capacitance *1	$C_j$	220			80					pF
Typical thermal resistance *2	$R_{thJA}$	65								$^\circ\text{C}/\text{W}$
Junction Temperature	$T_j$	125								$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-55 to 150								

\* 1 Measured at 1MHz and applied reverse voltage of 4V D.C

\* 2 P.C.B. mounted with 2" × 2" (5×5 cm) copper pad areas.

#### ■ Marking

NO.	SS22FL	SS24FL	S26FL	SS28FL	SS210FL	SS212FL	SS215FL	SS220FL
Marking	S22	S24	S26	S28	S210	S212	S215	S220

# Schottky Diodes

## SS22FL ~ SS220FL

■ Typical Characteristics

Fig.1 Forward Current Derating Curve

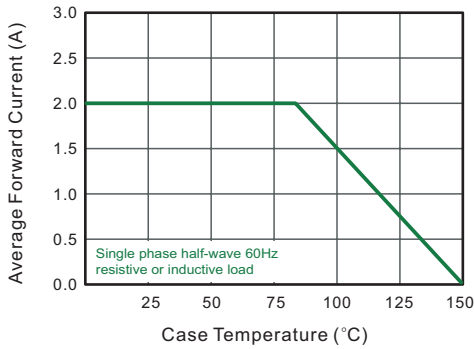


Fig.2 Typical Reverse Characteristics

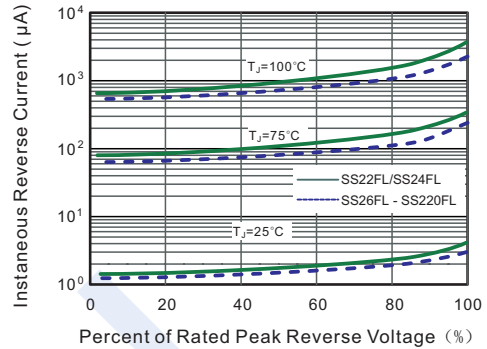


Fig.3 Typical Forward Characteristic

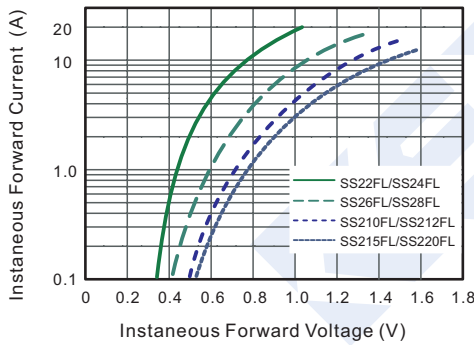


Fig.4 Typical Junction Capacitance

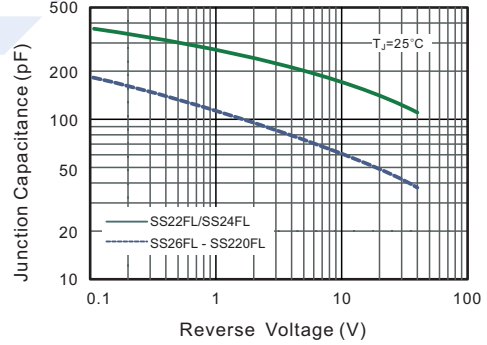


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current

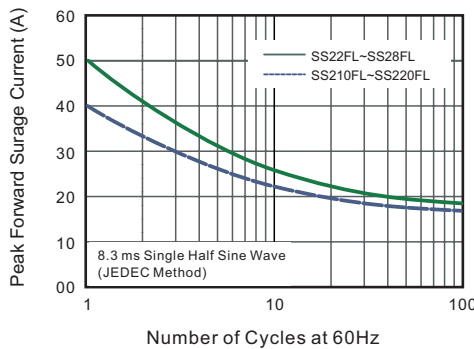
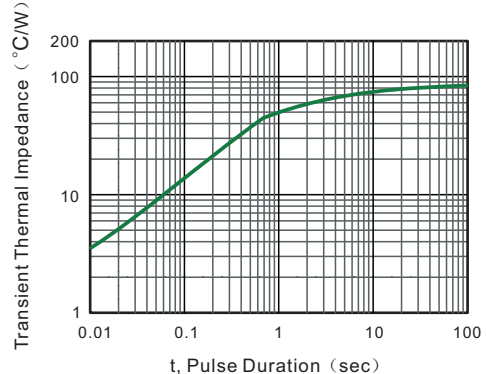


Fig.6 Typical Transient Thermal Impedance

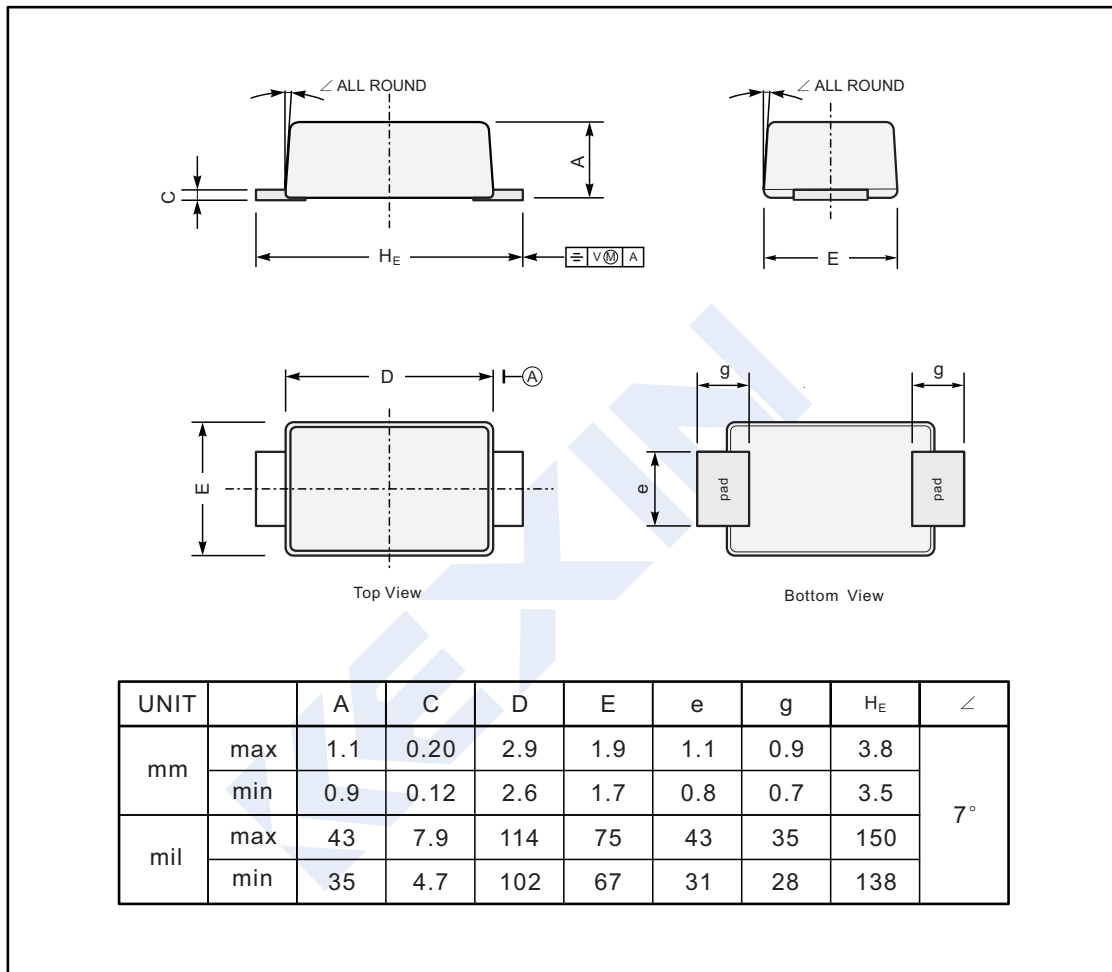


## Schottky Diodes SS22FL ~ SS220FL

■ Package Outline Dimensions

Plastic surface mounted package; 2 leads

SOD-123FL



■ The Recommended Mounting Pad Size

