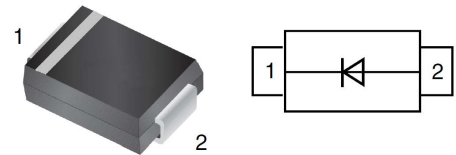


## Schottky Barrier Rectifier in DO-214AA/SMB

### Features

- Schottky barrier diodes
- Low forward voltage drop
- High Junction Temperature



### Mechanical Data

- **Case:** DO-214AA/SMB (plastic package).  
Lead free; RoHS compliant
- **Molding Compound Flammability Rating:**  
UL 94 V-0
- **Terminals:** High temperature soldering guaranteed:  
260 °C/10 sec. at terminals

### Applications

For use in low voltage, high frequency inverters, free wheeling, and polarity protection application

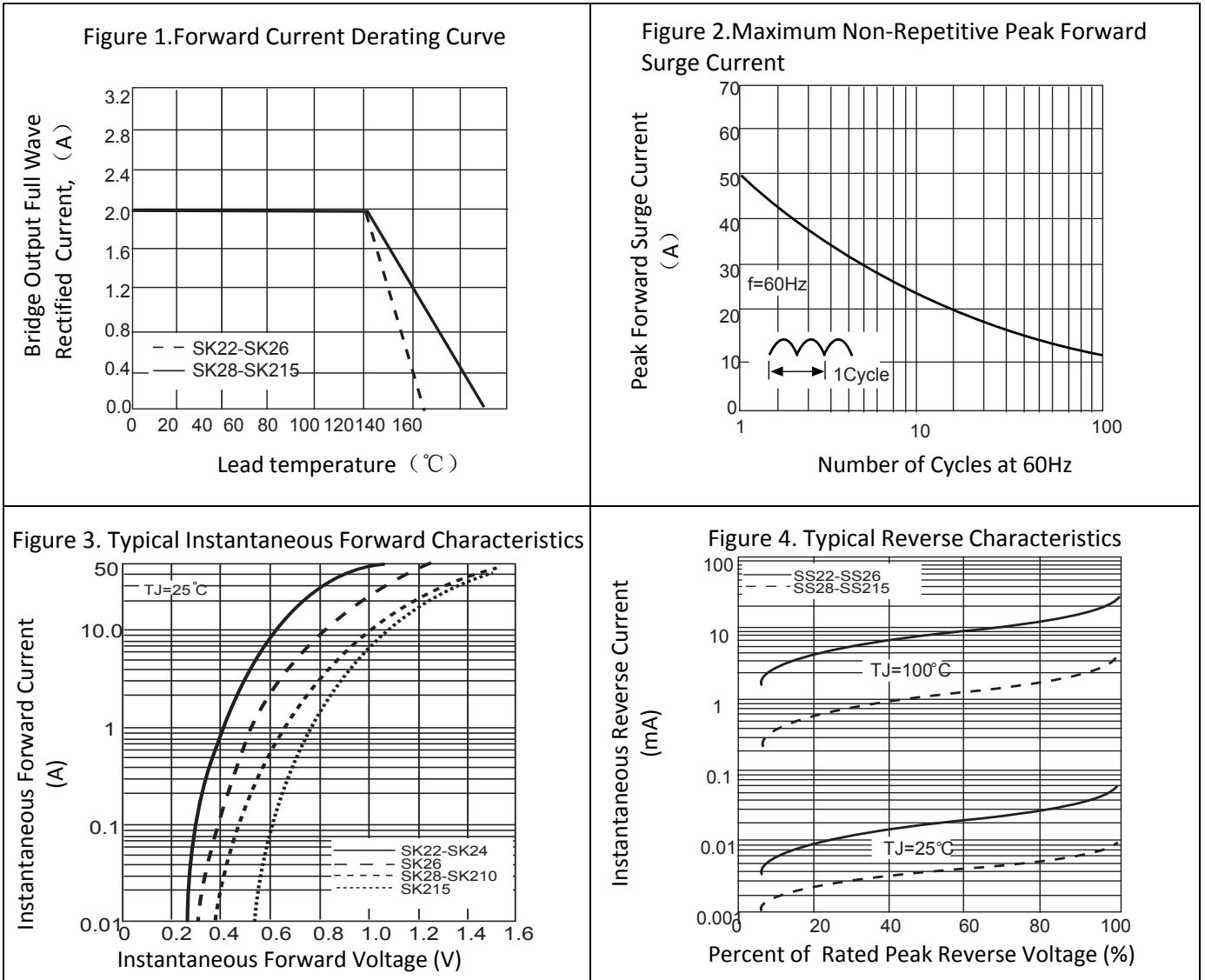
Absolute Maximum Ratings							
Ratings at 25 °C, ambient temperature unless otherwise specified							
Parameter	Symbol	SK22	SK24	SK26	SK210	SK215	Unit
Maximum repetitive peak reverse voltage	$V_{RRM}$	20	40	60	100	150	V
Maximum RMS voltage	$V_{RMS}$	14	28	42	70	105	V
Maximum DC blocking voltage	$V_{DC}$	20	40	60	100	150	V
Maximum average forward rectified current	$I_{F(AV)}$	2.0					A
Peak forward surge current 8.3 ms single half sine-wave superimposed on rated load	$I_{FSM}$	50					A
Operating junction and storage temperature range	$T_J, T_{STG}$	- 55 to + 150					°C

Electrical Characteristics								
$(T_A = 25\text{ °C unless otherwise specified})$								
Parameter	Test Conditions	Symbol	SK22	SK24	SK26	SK210	SK215	Unit
Maximum instantaneous forward voltage	$I_F=2A, T_A=25\text{ °C}$	$V_F$	0.55		0.70	0.85	0.95	V
Maximum DC reverse current at rated DC blocking voltage	$T_A=25\text{ °C}$	$I_R$	0.50			0.05		mA
	$T_A=125\text{ °C}$		50			10		
Typical junction capacitance	4.0 V, 1 MHz	$C_J$	110					pF

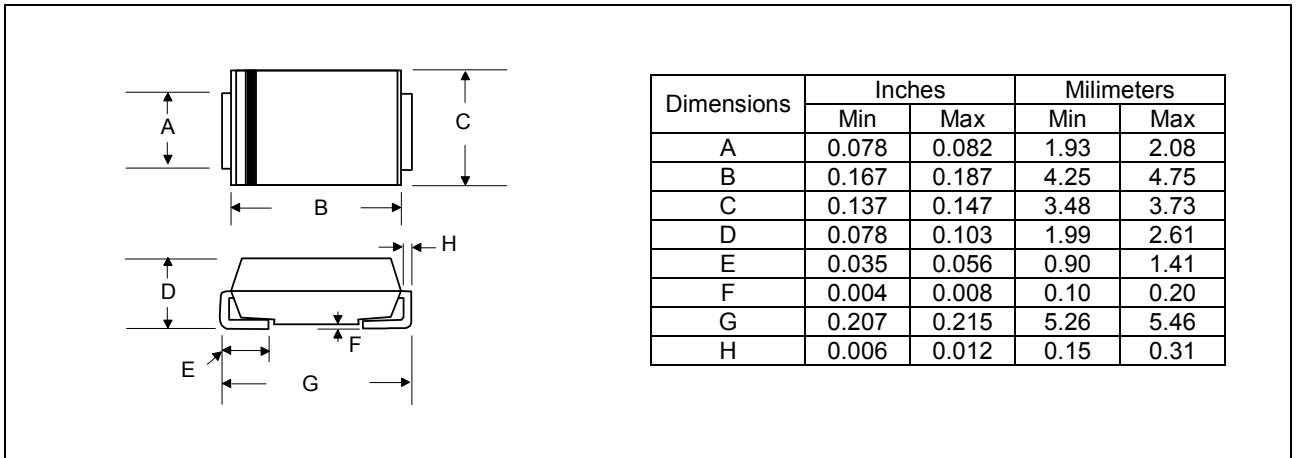
Thermal Characteristics							
Parameter	Symbol	SK22	SK24	SK26	SK210	SK215	Unit
Typical thermal resistance <sup>(1)</sup>	$R_{\theta JA}$	65					°C/W
	$R_{\theta JC}$	46					
	$R_{\theta JI}$	25					

Note1: Thermal resistance from junction to lead, mounted on PCB with 5.0×5.0mm copper pads

**Typical Characteristics** ( $T_{amb} = 25\text{ }^{\circ}\text{C}$  unless otherwise specified)



**Package Dimensions**



**Ordering information**

Order code	Package	Packaging option	Base quantity	Packaging specification
SK22 Thru SK215	DO-214AA/SMB	Tape and reel	3000pcs / reel	EIA STD RS-481

**Revision history**

Date	Revision	Changes
23-May-2020	1.0	Initial release

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