

# SHINDENGEN

## General Purpose Rectifiers

Doubler

**DF5VD60**

**600V 5A**

### FEATURES

- SMT(STO-220)
- Doubler
- High reliability with superior moisture resistance
- Applicable to Automatic Insertion

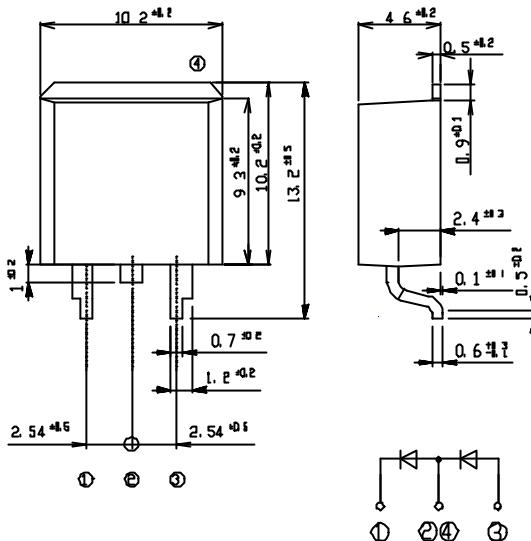
### APPLICATION

- PFC
- Switching power supply
- Home Appliance,Office Equipment
- Telecommunication,Factory automation

### OUTLINE DIMENSIONS

Case : STO-220

Unit : mm



### RATINGS

#### Absolute Maximum Ratings (If not specified $T_c=25^\circ C$ )

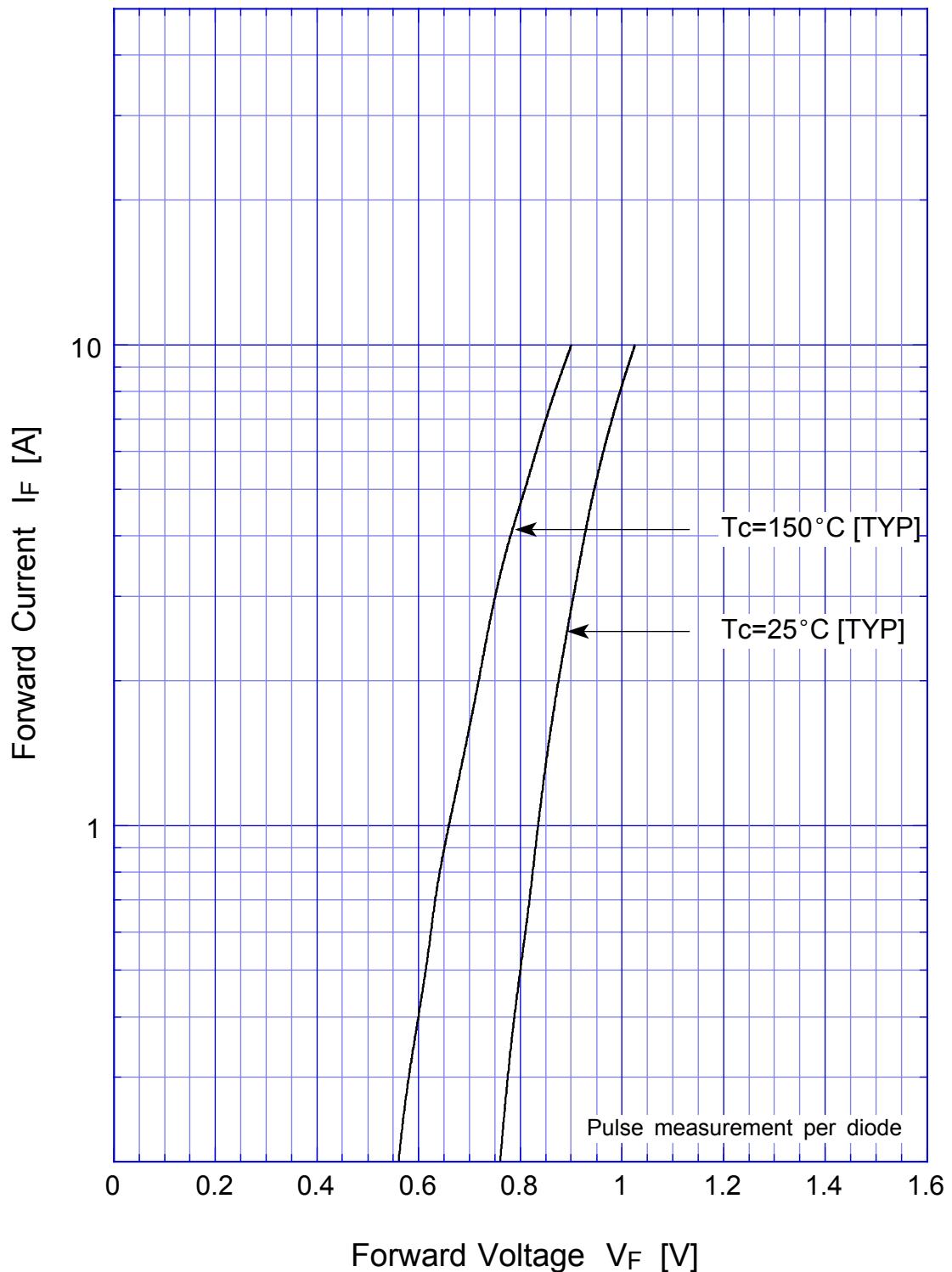
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	$T_{stg}$		-40 ~ 150	
Operating Junction Temperature	$T_j$		150	
Maximum Reverse Voltage	$V_{RM}$		600	V
Average Rectified Forward Current	$I_o$	50Hz sine wave, R-load, Rating for each diode $I_o/2$ , $T_c=140^\circ C$	5	A
Peak Surge Forward Current	$I_{FSM}$	50Hz sine wave, Non-repetitive 1cycle peak value, $T_j=25^\circ C$	140	A

#### Electrical Characteristics (If not specified $T_c=25^\circ C$ )

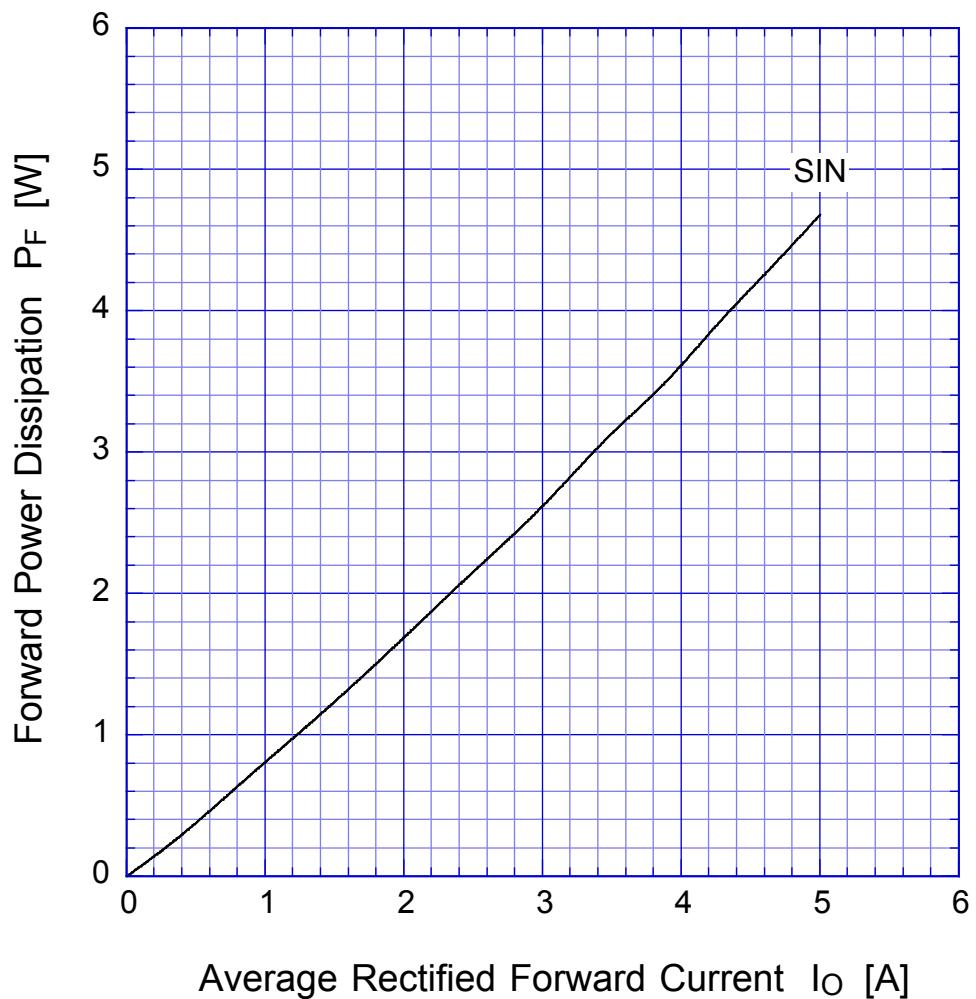
Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	$V_F$	$I_F=2.5A$ , Pulse measurement, Rating of per diode	Max.1.05	V
Reverse Current	$I_R$	$V_R=V_{RM}$ , Pulse measurement, Rating of per diode	Max.10	$\mu A$
Thermal Resistance	$j_C$	Junction to case	Max.2	/W

**DF5VD60**

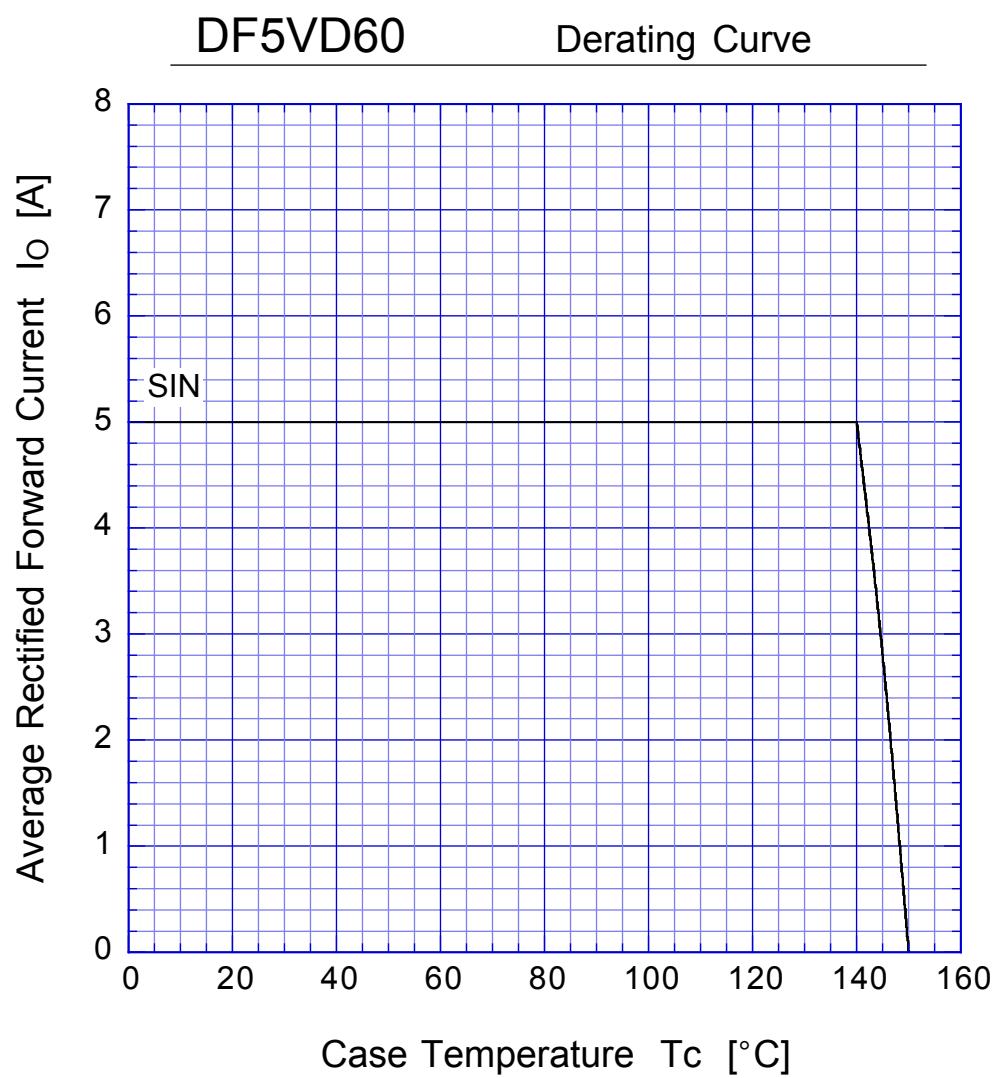
**Forward Voltage**



## DF5VD60 Forward Power Dissipation



$T_j = 150^\circ\text{C}$   
Sine wave  
R-load  
Single phase rectification



Sine wave  
R-load  
Single phase rectification

**DF5VD60**

**Peak Surge Forward Capability**

