

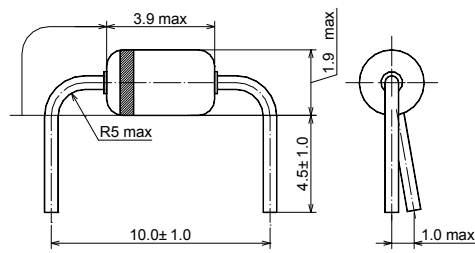
# ST60PPF, ST60SPF

## Silicon Schottky Barrier Diode

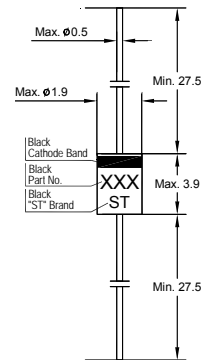
Characteristics equivalent to  
1N60P and 1N60S

### Features

- Lead Free



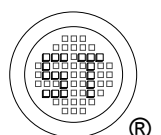
**Glass case DO-35-1**  
**Dimensions in mm**



**Glass Case DO-35**  
**Dimensions in mm**

### Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

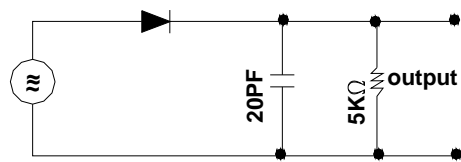
Parameter	Symbol	Value	Unit
Peak Reverse Voltage	$V_{RM}$	45	V
Reverse Voltage	$V_R$	20	V
Average Rectified Output Current	$I_O$	50	mA
Peak Forward Current	$I_{FM}$	150	mA
Surge Forward Current	$I_{surge}$	500	mA
Junction Temperature	$T_j$	175	$^\circ\text{C}$
Storage Temperature Range	$T_{Stg}$	- 55 to + 175	$^\circ\text{C}$



# ST60PPF, ST60SPF

## Characteristics at T<sub>a</sub> = 25°C

Parameter		Symbol	Min.	Max.	Unit
Forward Current at V <sub>F</sub> = 1 V		I <sub>F</sub>	4	-	mA
Forward Voltage at I <sub>F</sub> = 1 mA at I <sub>F</sub> = 5 mA		V <sub>F</sub>	- -	0.5 0.7	V
Reverse Current at V <sub>R</sub> = 10 V	ST60PPF ST60SPF	I <sub>R</sub>	- -	50 100	μA
Rectification Efficiency at V <sub>i</sub> = 2 V <sub>rms</sub> , R = 5 KΩ, C = 20 pF, f = 40 MHz		η	55	-	%



Input 2Vrms  
Rectification Efficiency Measurement Circuit

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