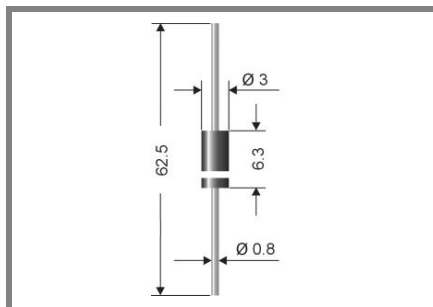


# BY 226S, BY 227S, BY 228S



**Axial lead diode**

Type	Repetitive peak reverse voltage	Surge peak reverse voltage	Max. reverse recovery time	Max. forward voltage
	$V_{RRM}$ V	$V_{RSM}$ V	$I_F = -A$ $I_R = -A$ $I_{RR} = -A$ $t_{rr}$ ns	$V_F^{(2)}$
BY226S	450	650	-	1,3
BY227S	800	1250	-	1,3
BY228S	1500	1800	-	1,3

## Standard silicon rectifier diodes

**BY 226S, BY 227S, BY 228S**

**Forward Current: 1,5 A**

**Reverse Voltage: 450 to 1500 V**

### Features

- Max. solder temperature: 260°C
- Plastic material has UL classification 94V-0

### Mechanical Data

- Plastic case DO-15 / DO-204AC
- Weight approx.: 0,4 g
- Terminals: plated terminals solderable per MIL-STD-750
- Mounting position: any
- Standard packaging: 1700 pieces per ammo

1) Valid, if leads are kept at ambient temperature at a distance of 10 mm from case

2)  $I_F = 1,5 A$ ,  $T_j = 25\text{ °C}$

3)  $T_A = 25\text{ °C}$

Absolute Maximum Ratings		Tc = 25 °C, unless otherwise specified	
Symbol	Conditions	Values	Units
$I_{FAV}$	Max. averaged fwd. current, R-load, $T_A = 50\text{ °C}$ <sup>1)</sup>	1,5	A
$I_{FRM}$	Repetitive peak forward current $f > 15\text{ Hz}$ <sup>1)</sup>	10	A
$I_{FSM}$	Peak forward surge current 50 Hz half sinus-wave <sup>3)</sup>	50	A
$i^2t$	Rating for fusing, $t < 10\text{ ms}$ <sup>3)</sup>	12,5	A <sup>2</sup> s
$R_{thA}$	Max. thermal resistance junction to ambient <sup>1)</sup>	45	K/W
$R_{thT}$	Max. thermal resistance junction to terminals <sup>1)</sup>	-	K/W
$T_j$	Operating junction temperature	-50...+175	°C
$T_s$	Storage temperature	-50...+175	°C

Characteristics		Tc = 25 °C, unless otherwise specified	
Symbol	Conditions	Values	Units
$I_R$	Maximum leakage current, $T_j = 25\text{ °C}$ ; $V_R = V_{RRM}$	<10	µA
	$T_j = 100\text{ °C}$ ; $V_R = V_{RRM}$	<50	µA
$C_j$	Typical junction capacitance (at MHz and applied reverse voltage of V)	-	pF
$Q_{rr}$	Reverse recovery charge ( $U_R = V$ ; $I_F = A$ ; $dI_F/dt = A/ms$ )	-	µC
$E_{RSM}$	Non repetitive peak reverse avalanche energy ( $I_R = mA$ ; $T_j = \text{°C}$ ; inductive load switched off)	-	mJ

