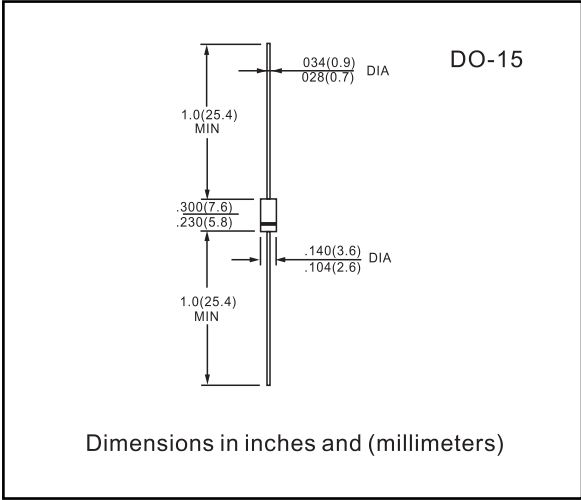




- FEATURES**
- Repetitive Peak Reverse Voltage
  - Average Forward Current
  - Peak One Cycle Surge Forward Current
  - Plastic Mold Type



**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	$V_{RRM}$	1800	V
Reverse Voltage (DC)	$V_R$	1500	V
Average Forward Current	$I_{F(AV)}$	0.7	A
Peak One Cycle Surge Forward Current	$I_{FSM}$	60(50Hz)	A
		66(60Hz)	
Junction Temperature	$T_j$	-40~125	°C
Storage Temperature Range	$T_{stg}$	-40~125	°C

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYPE	MAX	UNIT
Peak Forward Voltage	$V_{FM}$	$I_{FM} = 1.5A$	—	—	2.0	V
Repetitive Peak Reverse Current	$I_{RRM} (1)$	$V_{RRM} = 1500V$	—	—	10	uA
	$I_{RRM} (2)$	$V_{RRM} = 1500V, T_j = 125^\circ C$	—	—	400	
Reverse Recovery Time	$t_{rr}$	$I_F = 20mA, I_R = 1mA$	—	—	6	us



**1S1832**  
1800V 0.7A

**APPLICATIONS AND CHARACTERISTIC CURVES 1S1832**

