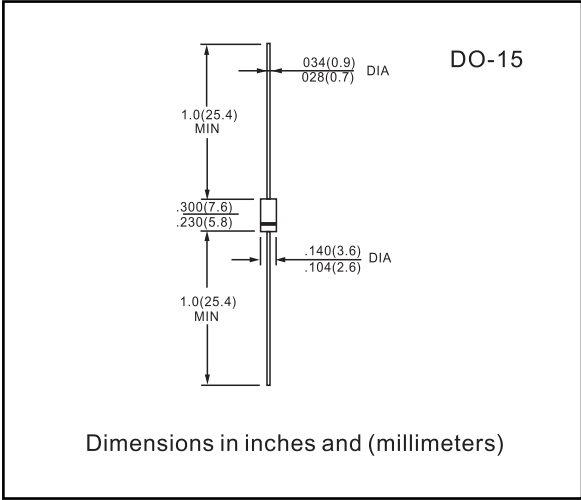




FEATURES

- Repetitive Peak Reverse Voltage
- Average Forward Current
- Reverse Recovery Time



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

MAXIMUM RATINGS

CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	1S1834	V_{RRM}	400	V
	1S1835		600	
Reverse Voltage(DC)	1S1834	V_R	300	V
	1S1835		500	
Average Forward Current		$I_{F(AV)}$	1.0	A
Peak One Cycle Surge Forward Current		I_{FSM}	60(50Hz)	A
			66(50Hz)	
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}	$I_{FM} = 1.5A$	—	—	1.2	V
Repetitive Peak Reverse Current	$I_{RRM} (1)$	$V_{RRM} = \text{Rated}$	—	—	10	uA
	$I_{RRM} (2)$	$V_{RRM} = \text{Rated} , T_j = 125^\circ C$	—	—	500	
Reverse Recovery Time	$t_{rr} (1)$	$I_F = 20mA , I_R = 1mA$	—	—	1.5	us
	$t_{rr} (2)$	$I_F = 20mA , I_R = 20mA$	—	—	0.35	
Forward Recovery Voltage	V_{fr}	$I_F = 0.1A , t_r = 100ns , t_w = 5us$	—	—	6	V



ATINGS AND CHARACTERISTIC CURVES 1S1834 ,1S1835

