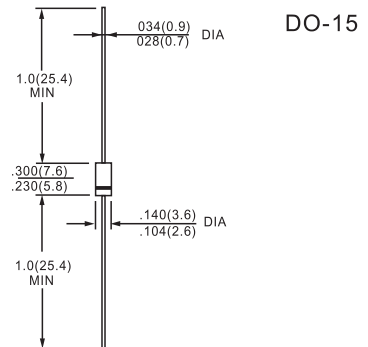




FEATURES

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



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

MAXIMUM RATINGS

CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	1S1886	V_{RRM}	200	V
	1S1829		800	
Average Forward Current		$I_{F(AV)}$	1.0	A
Peak One Cycle Surge Forward Current	1S1829	I_{FSM}	45(50Hz)	A
	1S1886		60(50Hz)	
Junction Temperature		T_j	-40~150	°C
Storage Temperature Range		T_{stg}	-40~150	°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
	$I_{RRM(2)}$	$V_{RRM} = \text{Rated}, T_j = 150^\circ C/W$	—	—	400	
Thermal Resistance (Junction to Ambient)	$R_{th(ja)}$	DC	—	—	100	°C/W



TAYCHIPST

GENERAL PURPOSE RECTIFIER APPLICATIONS

1S1829 , 1S1886

200V-800V

1.0A

TESTING AND CHARACTERISTIC CURVES 1S1829 ,1S1886

