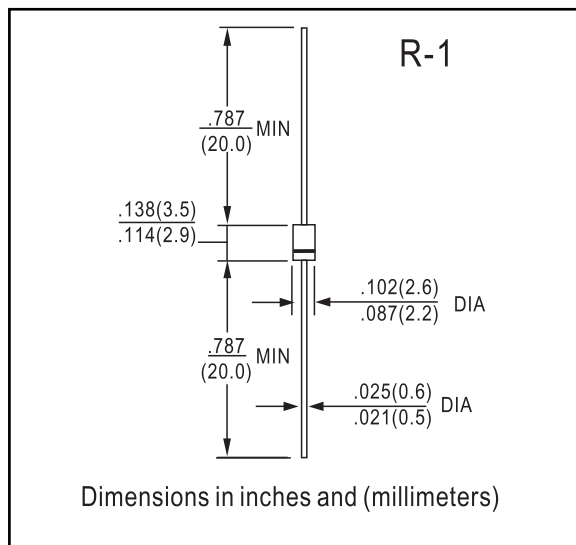


FEATURES

- Repetitive Peak Reverse Voltage
- Average Forward Current
- Low Forward Voltage



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	30	V
Average Forward Current	$I_{F(AV)}$	1.0	A
Peak One Cycle Surge Forward Current(Non-Repetitive)	I_{FSM}	25(50Hz) 33(60Hz)	A
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}	$I_{FM} = 1.0A$	—	—	0.37	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = 30V$	—	—	1.5	mA
Junction Capacitance	C_j	$V_R = 10V, f = 1MHz$	—	62	—	pF



TAYCHIPST

HIGH SPEED RECTIFIER APPLICATION

1FWJ43N

30V 1.0A

RATINGS AND CHARACTERISTIC CURVES 1FWJ43N

