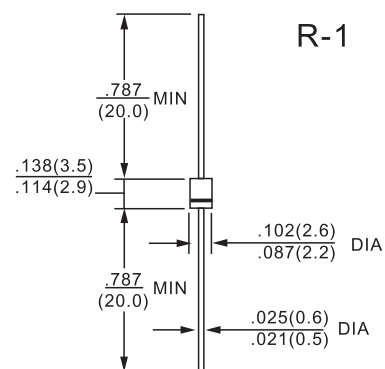


FEATURES

- Average Forward Current
- Reverse Recovery Time
- Low Forward Voltage



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	40	V
Average Forward Current	$I_{F(AV)}$	1.0	A
Peak One Cycle Surge Forward Current(Non-Repetitive)	I_{FSM}	25(50Hz)	A
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}	$I_{FM} = 1.0A$	—	—	0.55	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = 40V$	—	—	0.5	mA
Reverse Recovery Time	t_{rr}	$I_F = 1A$, $di/dt = -30A/\mu s$	—	—	35	ns
Junction Capacitance	C_j	$V_R = 10V$ $f = 1MHz$	—	52	—	pF



TAYCHIPST

HIGH SPEED RECTIFIER APPLICATION

1GWJ43

40V 1.0A

TESTING AND CHARACTERISTIC CURVES 1GWJ43

