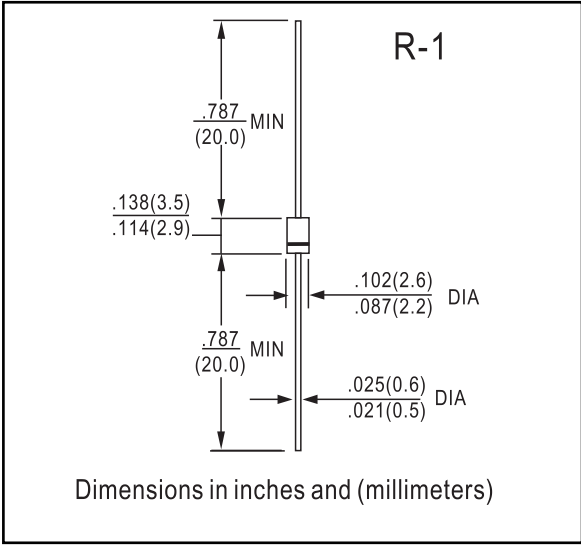




- FEATURES**
- Repetitive Peak Reverse Voltage
 - Average Forward Current
 - Fast Reverse Recovery Time
 - Plastic Mold Type



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	400	V
Average Forward Current	$I_{F(AV)}$	1.0	A
Peak One Cycle Surge Forward Current(Non-Repetitive)	I_{FSM}	15(50Hz)	A
		17(60Hz)	
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}	$I_{FM}=1.0A$	—	—	1.5	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM}=400V$	—	—	50	uA
Reverse Recovery Time	t_{rr}	$I_F=1A, di/dt=-30A/us$	—	—	100	ns
Forward Recovery Time	t_{fr}	$I_F=1A$	—	—	250	ns



RATINGS AND CHARACTERISTIC CURVES 1GU42

