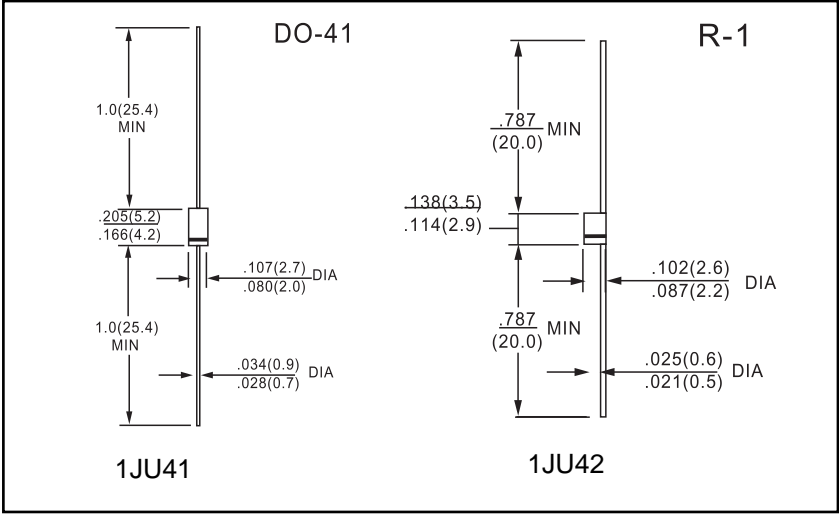




- FEATURES**
- Repetitive Peak Reverse Voltage
 - Average Forward Current
 - Reverse Recovery Time
 - Plastic Mold Type



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	RATING		UNIT
		1JU41	1JU42	
Repetitive Peak Reverse Voltage	V_{RRM}	600	400	V
Average Forward Current	$I_{F(AV)}$	1.0	1.0	A
Peak One Cycle Surge Forward Current(Non-Repetitive)	I_{FSM}	30(50Hz)	15(50Hz)	A
		33(60Hz)	17(60Hz)	
Junction Temperature	T_j	-40~150	-40~150	°C
Storage Temperature Range	T_{stg}	-40~150	-40~150	°C

ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ\text{C}$)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$V_{FM} = 1.0A$	—	—	2.0	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = 600V$	—	—	100	μA
Reverse Recovery Time (Note 1)	t_{rr}	$I_F = 1.0A, di/dt = -30A/\mu s$	—	—	100	ns
Forward Recovery Time (Note 2)	t_{fr}	$I_F = 1.0A$	—	—	250	ns



RATINGS AND CHARACTERISTIC CURVES 1JU41 THRU 1JU42

