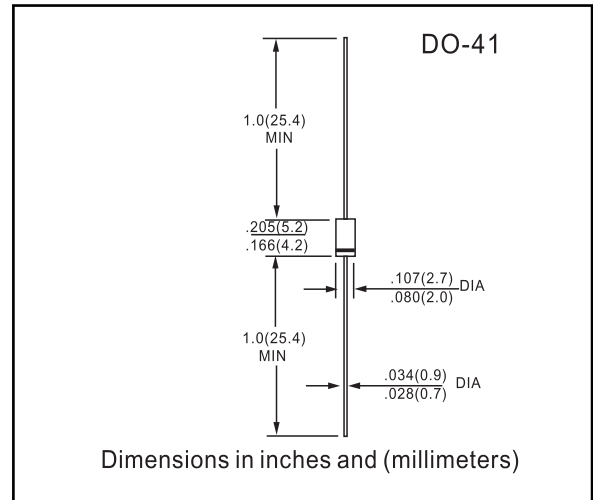




**FEATURES**

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



**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING		UNIT
		1DL41	1DL42	
Repetitive Peak Reverse Voltage	$V_{RRM}$	200	200	V
Average Forward Current	$I_{F(AV)}$	1.0	1.0	A
Peak One Cycle Surge Forward Current(Non-Repetitive)	$I_{FSM}$	30(50Hz)	30(50Hz)	A
		33(60Hz)	33(60Hz)	
Junction Temperature	$T_j$	-40~150	-40~150	°C
Storage Temperature Range	$T_{stg}$	-40~150	-40~150	°C

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYPE	MAX	UNIT
Peak Forward Voltage	$V_{FM}$	$I_{FM} = 1.0A$	—	—	0.98	V
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM} = 200V$	—	—	100	uA
Reverse Recovery Time	$t_{rr}$	$I_F = 1A, di/dt = -30A/us$	—	—	35	ns
Forward Recovery Time	$t_{fr}$	$I_F = 1A$	—	—	100	ns



RATINGS AND CHARACTERISTIC CURVES 1DL41A THRU 1DL42A

