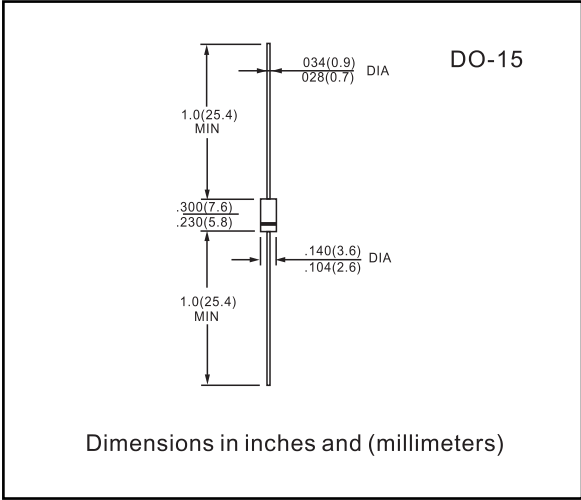




- FEATURES**
- Repetitive Peak Reverse Voltage
  - Average Forward Current
  - Peak One Cycle Surge Forward Current



**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

MAXIMUM RATINGS

CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	1R5BZ41	$V_{RRM}$	100	V
	1R5GZ41		400	
Average Forward Current		$I_{F(AV)}$	1.5	A
Peak One Cycle Surge Forward Current(Non-Repetitive)		$I_{FSM}$	150(50Hz)	A
			165(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	$V_{FM}$	$I_{FM} = 0.5A$	—	—	0.95	V
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM} = \text{Rated}$	—	—	10	uA
Thermal Resistance (Junction to Ambient)	$R_{th(j a)}$	DC	—	—	90	°C/W



TESTING METHODS AND CHARACTERISTIC CURVES 1R5BZ41 ,1R5GZ41

