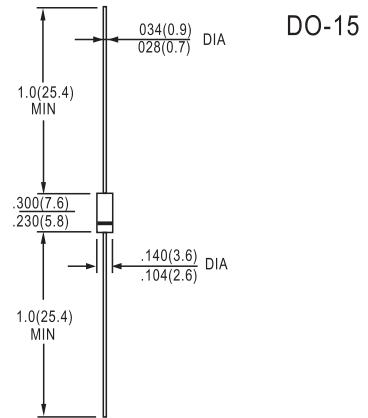


**FEATURES**

- Repetitive Peak Reverse Voltage
- Average Forward Current
- Low Forward Voltage

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	40	V
Average Forward Current	$I_{F(AV)}$	2.0	A
Peak One Cycle Surge Forward Current(Non-Repetitive)	I_{FSM}	100(50Hz)	A
		110(60Hz)	
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}	$I_{FM} = 2.0A$	—	—	0.55	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = 40V$	—	—	0.5	mA
Junction Capacitance	C_j	$V_R = 10V, f = 1MHz$	—	125	—	pF
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient	—	—	100	°C/W
Thermal Resistance	$R_{th(j-l)}$	Junction to Lead	—	—	30	°C/W



RATINGS AND CHARACTERISTIC CURVES 2GWJ42

