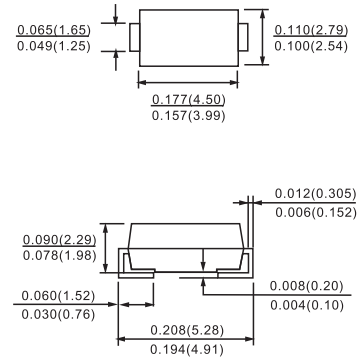


**FEATURES**

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

**DO-214AC(SMA)**

**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**

