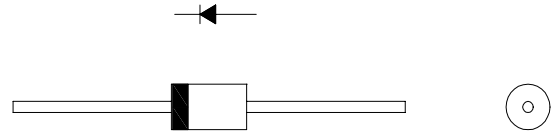


# DIODE Type : 30D2

## OUTLINE DRAWING

### FEATURES

- \* Low Forward Voltage drop
- \* Low Reverse Leakage Current
- \* High Surge Capability



### Maximum Ratings

Approx Net Weight:1.24g

Rating	Symbol	30D2			Unit
Repetitive Peak Reverse Voltage	$V_{RRM}$	200			V
Non-repetitive Peak Reverse Voltage	$V_{RSM}$	400			V
Average Rectified Output Current	$I_O$	1.7	$T_a=40^{\circ}\text{C}$ *1	50Hz Half Sine Wave Resistive Load	A
		3.0	$T_a=61^{\circ}\text{C}$ *2		
RMS Forward Current	$I_{F(RMS)}$	4.71			A
Surge Forward Current	$I_{FSM}$	150	50Hz Half Sine Wave, 1cycle, Non-repetitive		A
Operating Junction Temperature Range	$T_{jw}$	- 40 to + 150			$^{\circ}\text{C}$
Storage Temperature Range	$T_{stg}$	- 40 to + 150			$^{\circ}\text{C}$

### Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit	
Peak Reverse Current	$I_{RM}$	$T_j = 25^{\circ}\text{C}$ , $V_{RM} = V_{RRM}$	-	-	50	$\mu\text{A}$	
Peak Forward Voltage	$V_{FM}$	$T_j = 25^{\circ}\text{C}$ , $I_{FM} = 3.0\text{A}$	-	-	0.93	V	
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient	*1	-	-	80	$^{\circ}\text{C/W}$
			*2	-	-	34	

\*1 : Without Fin or P.C. Board

\*2 : With Cu Fin (20 x 20 x 1 t, L = 5mm, Both Sides)

30D2 OUTLINE DRAWING (Dimensions in mm)

