

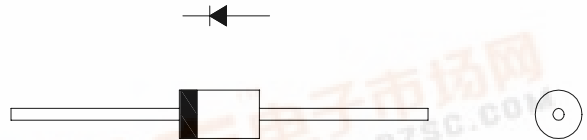


DIODE Type : 30D4

FEATURES

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

OUTLINE DRAWING



Maximum Ratings

Approx Net Weight:1.24g

Rating	Symbol	30D4			Unit
Repetitive Peak Reverse Voltage	V_{RRM}	400			V
Non-repetitive Peak Reverse Voltage	V_{RSM}	600			V
Average Rectified Output Current	I_O	1.7	$T_a=40^{\circ}C$ *1	50Hz Half Sine Wave Resistive Load	A
		3.0	$T_a=61^{\circ}C$ *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			$^{\circ}C$
Storage Temperature Range	T_{stg}	- 40 to + 150			$^{\circ}C$

Electrical • Thermal Characteristics

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

*1 : Without Fin or P.C. Board

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



30D4 OUTLINE DRAWING (Dimensions in mm)

