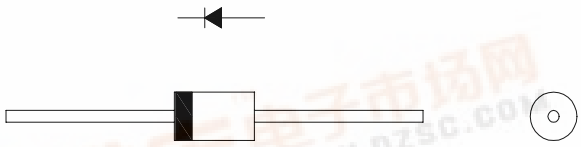
Nihon Inter Electronics Corporation

DIODE Type : 30D2

FEATURES

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

OUTLINE DRAWING



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	Ta=40℃ *1	50Hz Half Sine Wave Resistive Load	A
		3.0	Ta=61℃ *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 JunctionTemperature Range	T_{jw}	- 40 to + 150			℃
Storage Temperature Range	T_{stg}	- 40 to + 150			℃

Electrical • Thermal Characteristics

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

*1 : Without Fin or P.C. Board

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

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30D2 OUTLINE DRAWING (Dimensions in mm)