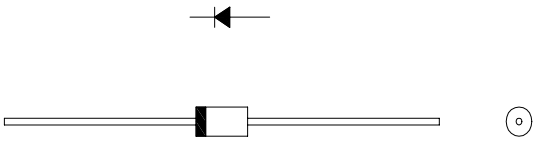
Nihon Inter Electronics Corporation

DIODE Type : 20E1

OUTLINE DRAWING

FEATURES

* Miniature Size
* Low Forward Voltage drop
* Low Reverse Leakage Current
* High Surge Capability
* 52mm Inside Tape Spacing Package Available



Maximum Ratings

Approx Net Weight:0.38g

Rating	Symbol	20E1			Unit
Repetitive Peak Reverse Voltage	V_{RRM}	100			V
Non-repetitive Peak Reverse Voltage	V_{RSM}	250			V
Average Rectified Output Current	I_O	1.3	Ta=33℃ *1	50Hz Half Sine Wave Resistive Load	A
		1.7	Ta=43℃ *2		
RMS Forward Current	$I_{F(RMS)}$	2.67			A
Surge Forward Current	I_{FSM}	80	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}		-	-	10	μA
Peak Forward Voltage	V_{FM}	Tj= 25℃, I_{FM}= 1.7A		-	-	0.92	V
Thermal Resistance	Rth(j-a)	Junction to Ambient	*1	-	-	105	℃/W
			*2			70	

*1 : Without Fin or P.C. Board

*2 : P.C. Board Mounted (L=8mm, Print Land=15 x 15mm,Both Sides)

20E1 OUTLINE DRAWING (Dimensions in mm)

