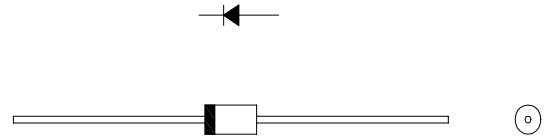


DIODE Type : 20E1

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	$T_a=33^{\circ}\text{C}$ *1	50Hz Half Sine Wave Resistive Load	A
		1.7	$T_a=43^{\circ}\text{C}$ *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 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}	$T_j= 25^{\circ}\text{C}$, $V_{RM}= V_{RRM}$	-	-	10	μA	
Peak Forward Voltage	V_{FM}	$T_j= 25^{\circ}\text{C}$, $I_{FM}= 1.7\text{A}$	-	-	0.92	V	
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient	*1	-	-	105	$^{\circ}\text{C/W}$
			*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)

