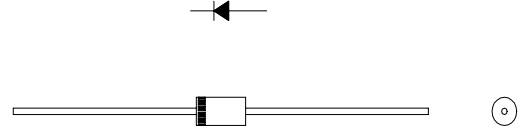


SBD Type : 21DQ06

OUTLINE DRAWING

FEATURES

- * Miniature Size
- * Low Forward Voltage Drop
- * Low Power Loss, High Efficiency
- * High Surge Capability
- * 30volts trough 100volts Types Available
- * 52mm Inside Tape Spacing Package Available



Maximum Ratings

Approx Net Weight:0.38g

Rating		Symbol	21DQ06			Unit
Repetitive Peak Reverse Voltage		V_{RRM}	60			V
Non-repetitive Peak Reverse Voltage		V_{RSM}	65			V
Average Rectified Output Current	Without Fin or P.C.Board	I_O	1.1	$T_a=32^\circ\text{C}$	Half Sine Wave Resistive Load	A
	P.C.Board Mounted *		1.7	$T_a=25^\circ\text{C}$		
RMS Forward Current		$I_{F(RMS)}$	2.67			A
Surge Forward Current		I_{FSM}	45	Half Sine Wave,1cycle,Non-repetitive		A
Operating JunctionTemperature 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}	$T_j= 25^\circ\text{C}, V_{RM}= V_{RRM}$	-	-	2	mA
Peak Forward Voltage	V_{FM}	$T_j= 25^\circ\text{C}, I_{FM}= 1.7 \text{ A}$	-	-	0.58	V
Thermal Resistance(Junction to Ambient)	$R_{th(j-a)}$	Without Fin or P.C.Board	-	-	105	$^\circ\text{C/W}$
		P.C.Board mounted *	-	-	70	

* :Print Lands = 5x5 mm,Both Sides

21DQ06 OUTLINE DRAWING (Dimensions in mm)

