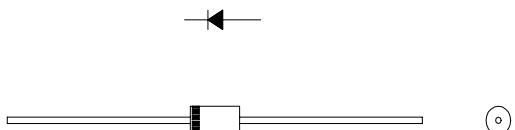


# SBD Type : 21DQ06

## FEATURES

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

## OUTLINE DRAWING



## Maximum Ratings

Approx Net Weight:0.38g

Rating		Symbol	21DQ06				Unit			
Repetitive Peak Reverse Voltage		V <sub>RRM</sub>	60				V			
Non-repetitive Peak Reverse Voltage		V <sub>RSM</sub>	65				V			
Average Rectified Output Current	Without Fin or P.C.Board	I <sub>O</sub>	1.1	T <sub>a</sub> =32°C	Half Sine Wave Resistive Load					
	P.C.Board Mounted *		1.7	T <sub>a</sub> =25°C	A					
RMS Forward Current		I <sub>F(RMS)</sub>	2.67				A			
Surge Forward Current		I <sub>FSM</sub>	45	Half Sine Wave, 1cycle, Non-repetitive			A			
Operating Junction Temperature Range		T <sub>jw</sub>	- 40 to + 150				°C			
Storage Temperature Range		T <sub>stg</sub>	- 40 to + 150				°C			

## Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min	Typ	Max	Unit
Peak Reverse Current	I <sub>RM</sub>	T <sub>j</sub> = 25°C, V <sub>RM</sub> = V <sub>RRM</sub>	-	-	2	mA
Peak Forward Voltage	V <sub>FM</sub>	T <sub>j</sub> = 25°C, I <sub>FM</sub> = 1.7 A	-	-	0.58	V
Thermal Resistance(Junction to Ambient)	R <sub>th(j-a)</sub>	Without Fin or P.C.Board	-	-	105	°C/W
		P.C.Board mounted *	-	-	70	

\* :Print Lands = 5x5 mm, Both Sides

**21DQ06 OUTLINE DRAWING (Dimensions in mm)**

