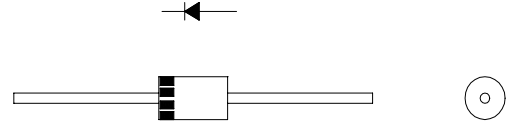


SBD Type : 31DQ06

OUTLINE DRAWING

FEATURES

- * Low Forward Voltage Drop
- * Low Power Loss, High Efficiency
- * High Surge Capability
- * 30volts trough 100volts Types Available



Maximum Ratings

Approx Net Weight:1.18g

Rating		Symbol	31DQ06			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	1.6	$T_a=25^{\circ}C$	Half Sine Wave Resistive Load	A
	With Fin *1		3.0	$T_a=43^{\circ}C$		
RMS Forward Current		$I_{F(RMS)}$	4.71			A
Surge Forward Current		I_{FSM}	75	Half Sine Wave,1cycle,Non-repetitive		A
Operating JunctionTemperature Range		T_{jw}	- 40 to + 150			$^{\circ}C$
Storage Temperature Range		T_{stg}	- 40 to + 150			$^{\circ}C$

Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min	Typ	Max	Unit
Peak Reverse Current	I_{RM}	$T_j= 25^{\circ}C, V_{RM}= V_{RRM}$	-	-	3	mA
Peak Forward Voltage	V_{FM}	$T_j= 25^{\circ}C, I_{FM}= 3 A$	-	-	0.58	V
Thermal Resistance(Junction to Ambient)	$R_{th(j-a)}$	Without Fin or P.C.Board	-	-	80	$^{\circ}C/W$
		With Fin *1			34	

*1 :20x20x1t(mm) Copper plates, L=5mm, Both Sides

31DQ06 OUTLINE DRAWING (Dimensions in mm)

