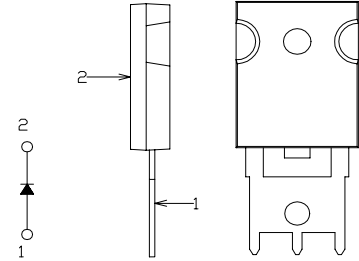


FRD Type : KSF30A20E

OUTLINE DRAWING

FEATURES

- * Similar to TO-247AC(TO-3P)Case
- * Ultra-Fast Recovery
- * Low Forward Voltage Drop
- * Low Power Loss,High Efficiency
- * High Surge Current Capability
- * 200Volts thru 600Volts Type Available



Maximum Ratings

Approx Net Weight: 6.0g

Rating	Symbol	KSF30A20E			Unit
Repetitive Peak Reverse Voltage	V _{RRM}	200			V
Average Rectified Output Current	I _O	30	Tc=101℃	50 Hz half Sine Wave Resistive Load	A
RMS Forward Current	I _{F(RMS)}	47			A
Surge Forward Current	I _{FSM}	400	50Hz Half Sine Wave ,1cycle Non-repetitive		A
Operating JunctionTemperature Range	T _{jw}	-40 to +150			℃
Storage Temperature Range	T _{stg}	-40 to +150			℃
Mounting torque	F _{tor}	recommended torque = 0.5			N•m

Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	I_{RM}	$T_j= 25^{\circ}\text{C}$, $V_{RM}= V_{RRM}$	-	-	50	μA
Peak Forward Voltage	V_{FM}	$T_j= 25^{\circ}\text{C}$, $I_{FM}= 30\text{ A}$	-	-	0.98	V
Reverse Recovery Time	t_{rr}	$I_{FM}= 10\text{A}$, $-di/dt=50\text{A}/\mu\text{s}$, $T_a=25^{\circ}\text{C}$			60	ns
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	1.4	$^{\circ}\text{C}/\text{W}$

KSF30A20E OUTLINE DRAWING (Dimentions in mm)

