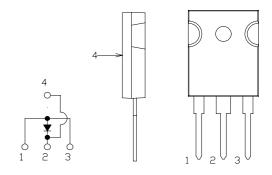
Nihon Inter Electronics Corporation

FRD Type: KSF30A40B

OULINE 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: 5.55g

Rating	Symbol	KSF30A40B		
Repetitive Peak Reverse Voltage	V_{RRM}	400		
Average Rectified Output Current *1	Io	30 Tc=90°C 50 Hz half Sine Wave Resistive Load	A	
RMS Forward Current	I _{F(RMS)}	47		
Surge Forward Current	IFSM	400 50Hz Half Sine Wave ,1cycle Non-repetitive		
Operating JunctionTemperature Range	T_{jw}	-40 to +150		
Storage Temperature Range	$T_{ m stg}$	-40 to +150		
Mounting torque	Ftor	recommended torque = 0.5		

^{*1:}Anode Terminals 1 and 3 Connected

Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Тур.	Max.	Unit
Peak Reverse Current	I_{RM}	Tj= 25°C, V _{RM} = V _{RRM}	-	-	50	μΑ
Peak Forward Voltage *1	V_{FM}	Tj= 25°C, I _{FM} = 30 A	ı	-	1.25	V
Reverse Recovery Time	trr	I _{FM} = 10A, -di/dt=50A/μs, Ta=25°C			60	ns
Thermal Resistance	Rth(j-c)	Junction to Case	-	-	1.4	°C/W

^{*1:}Anode Terminals 1 and 3 Connected

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KSF30A40B OUTLINE DRAWING (Dimentions in mm)

