

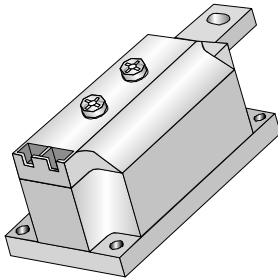


Transys
Electronics
LIMITED

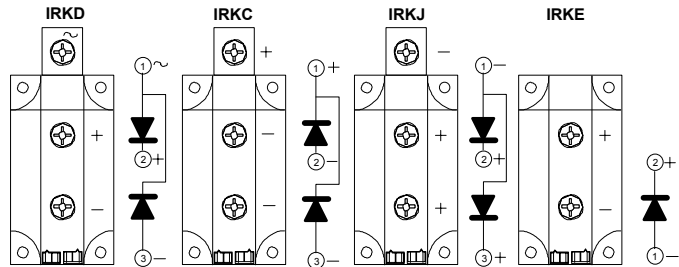
IRK(*)250 Series

Power Module

250 Amp



Case Style :DOUBLE TOP



MAXIMUM RATINGS (Tj = 25 °C unless stated otherwise) * Insert "D" "C" "J" or "E" for circuit configuration							
Parameter	Symbol	IRK(*) 250-04	IRK(*) 250-08	IRK(*) 250-12	IRK(*) 250-16	IRK(*) 250-20	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	400	800	1200	1600	2000	Volt
Maximum RMS On-State Current	$I_{F(RMS)}$	393					Amp
Maximum Average On-State Current	$I_{F(AV)}$	250 at TC=100°C					Amp
Peak Forward Surge Current 8.3 mS	I_{FSM}	7345					Amp
Maximum I^2T for Fusing	I^2T	225					A ² /S
Maximum Storage Temperature Range	$T_{(STG)}$	-40 to +150					°C
Maximum Junction Temperature Range	T_j	-40 to +150					°C

ELECTRICAL CHARACTERISICS at 25 °C Maximum Unless Stated Otherwise			Value			Unit
Parameter	Symbol	Condition	Min	Typ	Max	
Maximum Forward Voltage	V _{FM}				1.29	Volt
Repetitive Peak Off- State Current at TC=150°C	I _{RRM}	V _R = V _{RRM} ,			50.0	mA
Thermal Resistance (Junction to Case)	R _{TH (J-C)}				0.16	°C/W
Mounting Torque	M _T				6.0	NM
Weight	Wt				800	grms

