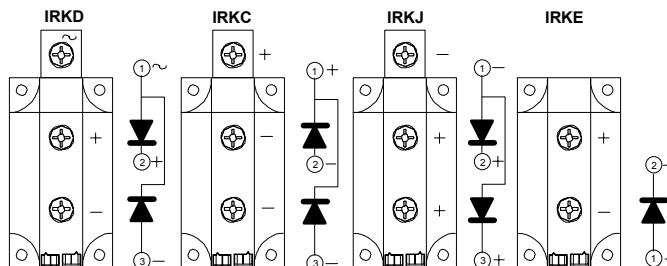


Case Style :DOUBLE TOP



MAXIMUM RATINGS (T _j = 25 °C unless stated otherwise) * Insert "D" "C" "J" or "E" for circuit configuration							
Parameter	Symbol	IRK(*) 270-04	IRK(*) 270-08	IRK(*) 270-12	IRK(*) 270-16	IRK(*) 270-20	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	400	800	1200	1600	2000	Volt
Maximum RMS On-State Current	I _{F(RMS)}	424					Amp
Maximum Average On-State Current	I _{F(AV)}	270 at TC=100°C					Amp
Peak Forward Surge Current 8.3 mS	I _{FSM}	9430					Amp
Maximum I ² T for Fusing	I ² T	363					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}				1.48	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

