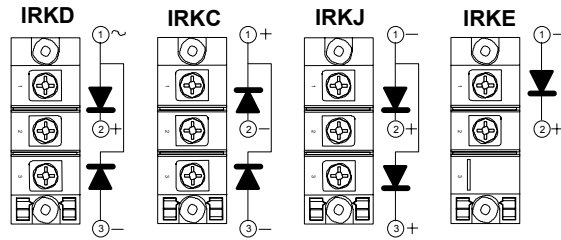


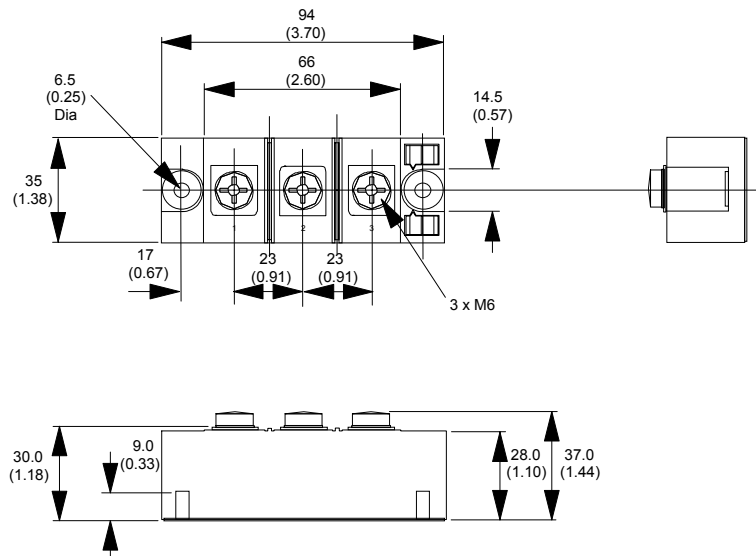
Case Style :
 Triple Flatop



MAXIMUM RATINGS (T _j = 25 °C unless stated otherwise) * Insert "D" "C" "J" or "E" for circuit configuration							
Parameter	Symbol	IRK (*) 166-04	IRK (*) 166-08	IRK (*) 166-12	IRK (*) 166-14	IRK (*) 166-16	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	400	800	1200	1400	1600	Volt
Maximum RMS On-State Current	I _{F(RMS)}	260					Amp
Maximum Average On-State Current	I _{F(AV)}	165 at TC=100°C					Amp
Peak Forward Surge Current 8.3 ms	I _{FSM}	4200					Amp
Maximum I ² T for Fusing	I ² T	73					A ² /S
Maximum Storage Temperature Range	T _(STG)	-40 to +150					°C
Maximum Junction Temperature Range	T _j	-40 to +150					°C

ELECTRICAL CHARACTERISTICS at 25 °C Maximum Unless Stated Otherwise				Value			Unit
Parameter	Symbol	Condition	Min	Typ	Max		
Maximum Forward Voltage	V _{FM}				1.43	Volt	
Repetitive Peak Off- State Current at TC=150°C	I _{RRM}	V _R = V _{RRM}			20.0	mA	
Thermal Resistance (Junction to Case)	R _{TH (J-C)}				0.20	°C/W	
Mounting Torque	M _T				6.0	NM	
Weight	Wt				200	grms	

Mechanical Dimensions



Third Angle Projection