



Description

SERIES: RI9TU 110

- * Robust plastic case with screw terminal
- * large, isolated base plate
- * Blocking Voltage to 1800V
- * High surge currents
- * Easy Chassis mounting

Typical Applications

- * Single & Three Phase rectifiers for power supplies
- * Input rectifiers for variable frequency drives
- * Rectifier for DC motor field supplies
- * Battery charger rectifiers

Symbol	Conditions	RI9TU110
I_D	$T_{Case} = 100^\circ C$	110A
I_{FSM} I^2t	$T_{vj} = 25^\circ C, 10ms$ $T_{vj} = 25^\circ C, 8,3...10ms$	1150A 6610A ² s
V_F $V_{(TO)}$ r_t I_{RD}	$T_{vj} = 25^\circ C, I_T = 150A$ $T_{vj} = 150^\circ C$ $T_{vj} = 150^\circ C$ $T_{vj} = 150^\circ C; V_{RD} = V_{RRM}$	1.35V 0.85V 4mΩ 2mA
R_{thjc} R_{thch} T_{vj} T_{stg}	Total total	0.15° C/W 0.05 °C/W -40... +150° C -40... +150° C
V_{isol} M_1 M_2 w	A.C. 50...60Hz; r.m.s. ; 1min case to heat sink } SI units / Bus bar to terminals } US units	2500V 5 Nm ± 15 % 3 Nm ± 15 % 126g.

THREE PHASE DIODE MODULES

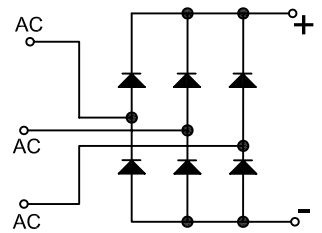
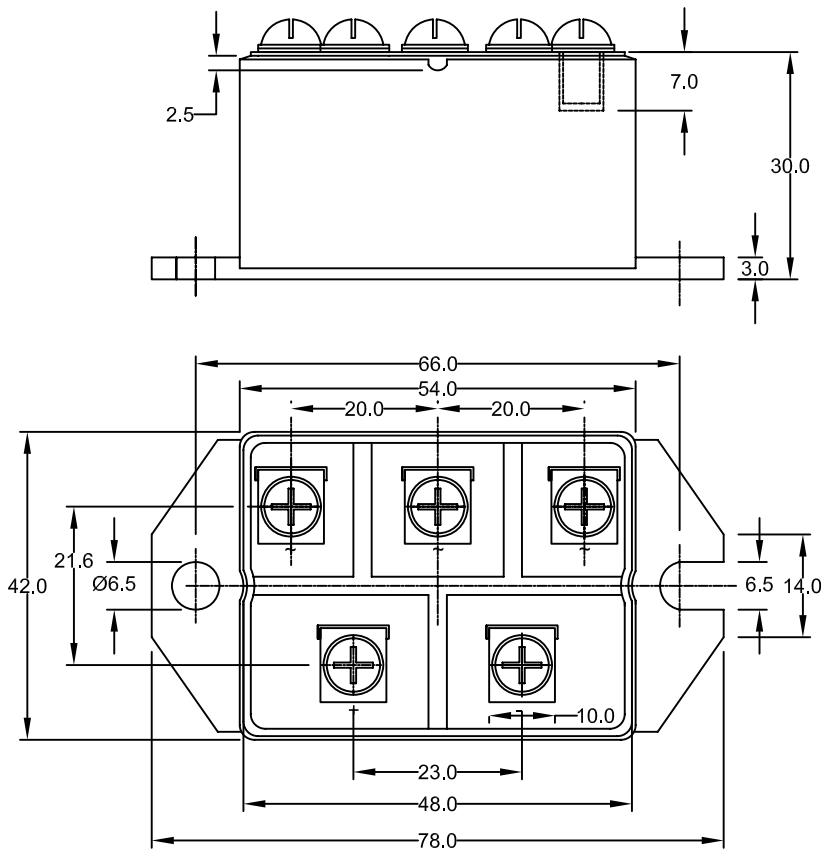
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VOLTAGE & APPLICATION DATA

TYPE NUMBER			40	60	80	100	120	140	160	180
V_{RRM}	Maximum repetitive peak reverse voltage	V	400	600	800	1000	1200	1400	1600	1800
V_{RSM}	Maximum non-repetitive peak reverse voltage	V	500	700	900	1100	1300	1500	1700	1900
V_{RMS}	Recommended AC supply voltage	V	160	240	320	400	480	560	640	720
I_{RM}	Maximum peak reverse current per diode $T_J = T_{J\ max}$	mA	2	2	2	2	2	2	2	2

RI9TU

SERIES RI9TU CIRCUITS



THREE PHASE DIODE MODULES

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ORDER INFORMATION TABLE

RI9TU	110	/	160
①	②		③

- ① Essential Part Number
- ② Curren Code
- ③ Voltage Rating (See table)