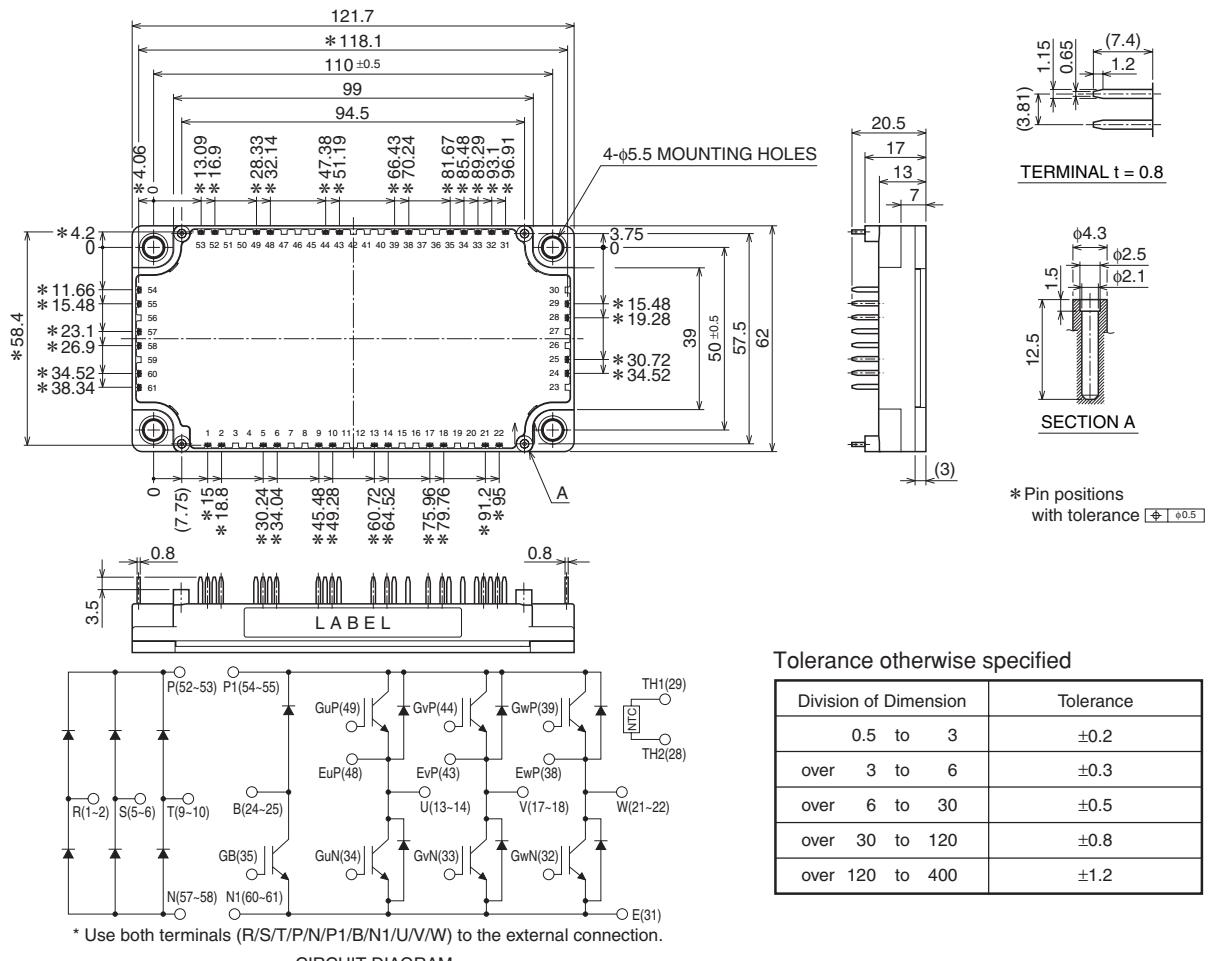


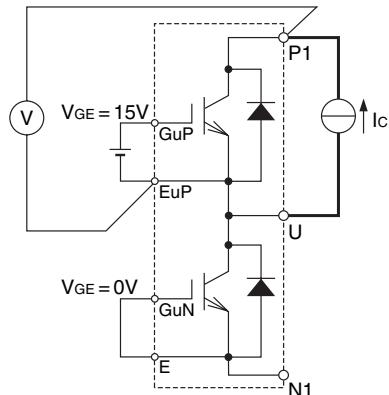
CM50MX-24A

- I_C 50A
- V_{CES} 1200V
- CIB (3-phase Converter + 3-phase Inverter + Brake)
- Flatbase Type / Insulated Package / Copper base plate
- RoHS Directive compliant

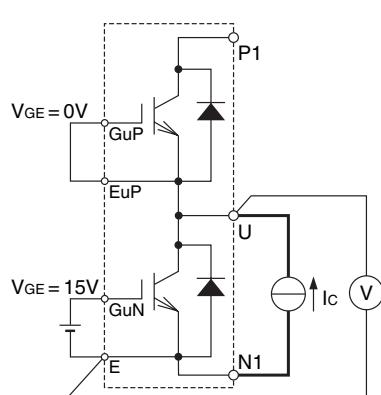
APPLICATION

General purpose Inverters, Servo Amplifiers

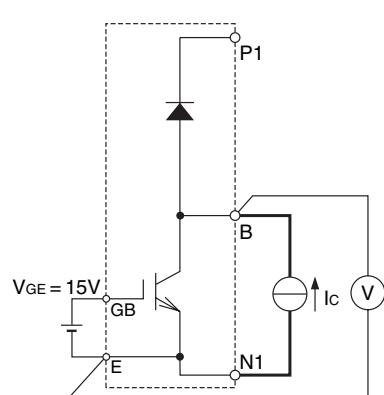
OUTLINE DRAWING & CIRCUIT DIAGRAM

HIGH POWER SWITCHING USE

P side Inverter part Tr
(example of U arm)
 $V_{G^*E^*} = 0V$
(GvP-EvP, GwP-EwP, GvN-E, GwN-E, GB-E)

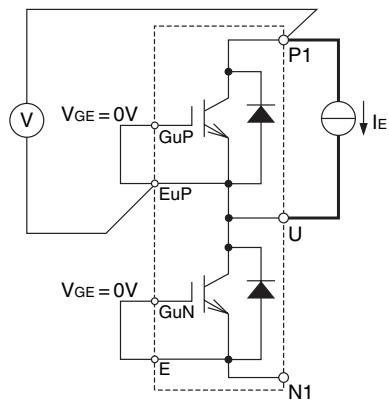


N side Inverter part Tr
(example of U arm)
 $V_{G^*E^*} = 0V$
(GvP-EvP, GwP-EwP, GvN-E, GwN-E, GB-E)

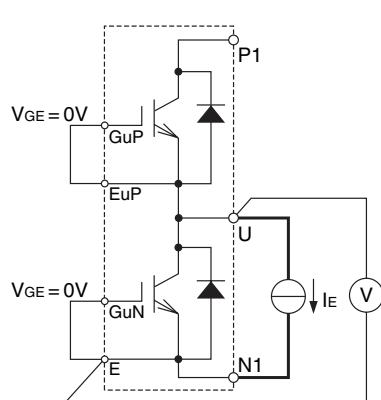


Br Tr
 $V_{G^*E^*} = 0V$
(GuP-EuP, GvP-EvP, GwP-EwP,
GuN-E, GvN-E, GwN-E)

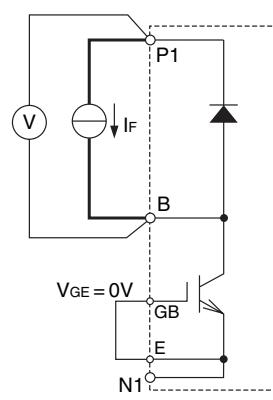
VCE(sat) test circuit



P side Inverter part Di
(example of U arm)
 $V_{G^*E^*} = 0V$
(GvP-EvP, GwP-EwP, GvN-E, GwN-E, GB-E)

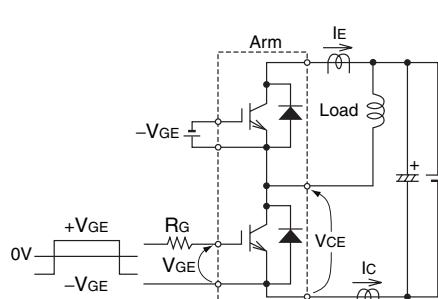


N side Inverter part Di
(example of U arm)
 $V_{G^*E^*} = 0V$
(GvP-EvP, GwP-EwP, GvN-E, GwN-E, GB-E)

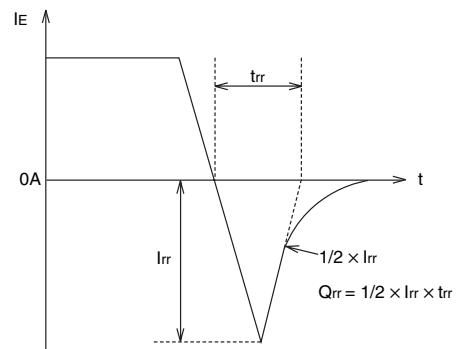
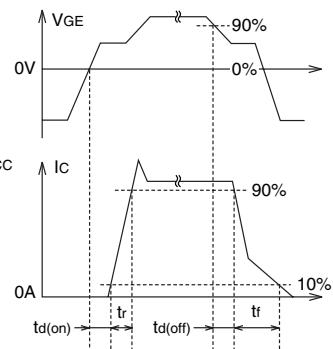


Br Di
 $V_{G^*E^*} = 0V$
(GuP-EuP, GvP-EvP, GwP-EwP,
GuN-E, GvN-E, GwN-E)

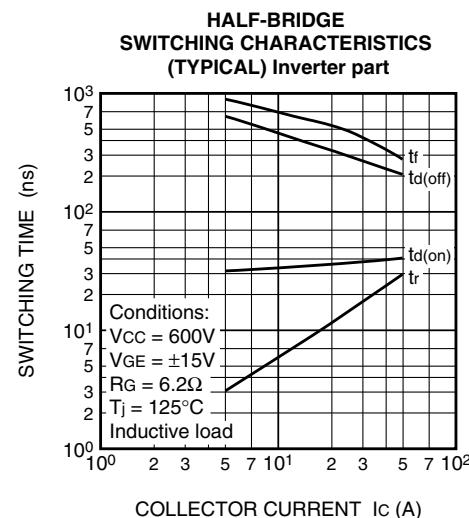
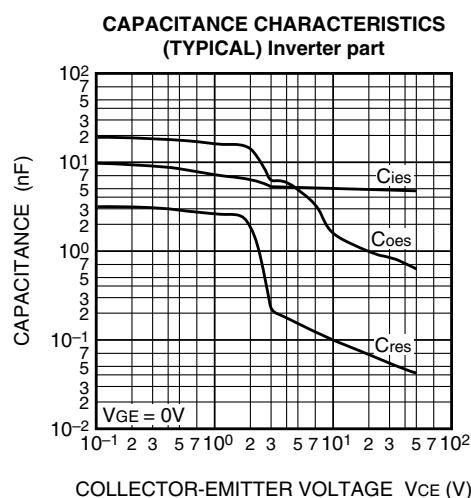
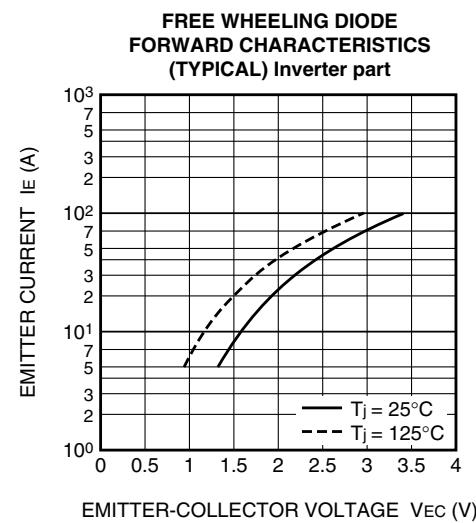
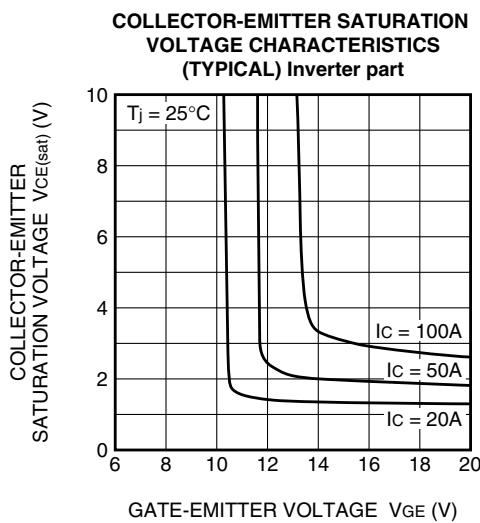
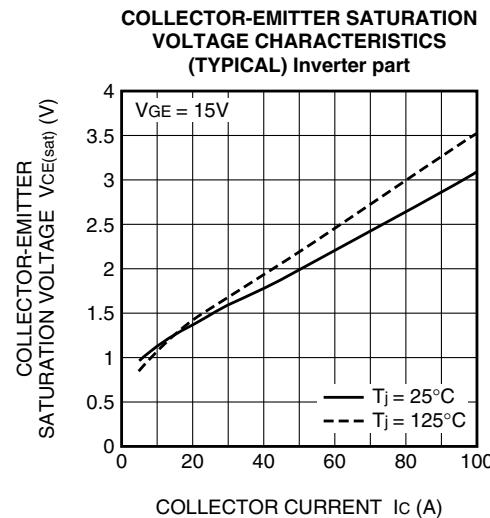
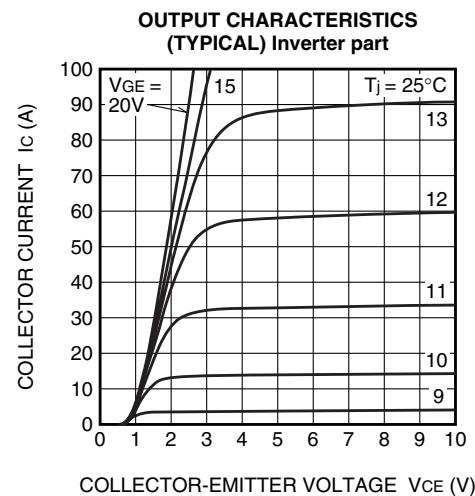
VEC/VFM test circuit



Switching time test circuit and waveforms



trr, Qrr test waveform

HIGH POWER SWITCHING USE**PERFORMANCE CURVES**

HIGH POWER SWITCHING USE

