

Free wheeling diodes with fast and soft reverse recovery

Solder Contact Technology, Rugged mounting due to integrated Mounting clamps

Temperature sena51p(ng c9(uded.3(y))TJ /TT3 1 Tf -1.004.1 -.0052 TD 0 Tc 0 Tw <01b6>Tj /TT5 1 Tf 1.0006 0 Tc 3.0059Tf 120098 TwA.7(P

APPLICATIONS

Motion/servo control

Rectifier+Brake+Inverter

Inverter and power supplies

W

Unit

V

A

=175

130

Diode-inverter

ABSOLUTE MAXIMUM RATINGS (T

I^2t

$T_J=125J_{max}$

2S

Unit
V

Unit
V

V

μ A

mA

I_R ≤ 1 W

R_{thJC} Junction to Case Thermal Resistance \leq Per Diode \leq

1.35 K /W

Unit

μ A
mA
nA

μ C
nF
pF
ns

$t_{d(on)}$	Turn on Delay Time	V		25	ns
			$T_J=150$	25	ns
			$T_J=25$	22	ns
t_r	Rise Time		$T_J=125$	24	ns
			$T_J=150$	24	ns

Unit
K
K

MMGT15CB120XB6C

lc

nd)

MMGT15CB120XB6C

$E_{REC}(mJ)$

$Z_{thjc}(KW)$

$I_F(A)$

MMGT15CB120XB6C

$I_c(A)$

$I_F(A)$

T_c

