

Qrgtcvkpi "Lwpevkqp" Vg o rgtcvwtg"	V _I "	" " " /62000 - 397"	ÅE"
Uvqtcig "Vg o rgtcvwtg"	V _u "	" " " /77000 - 372"	ÅE"
Uqnfgtkpi " Vg o rgtcvwtg." ycxg" uqnfgtkpi" 308 o o *20285kp0+"htq o "ecug" hqt"32u"	"	482"	ÅE"

Electrical Characteristics of the IGBT V_I?47 wpnguu"qvjgt ykug"ur gekhkgf

Rctc o gygt"	U{ o dqn"	Eqpfkvkqpu"	O kp0"	V{ r0"	Ocz0"	Wpkv"
Static						
Eqnngvqt/G o kvvgt" Dtgcmfqyp"Xqnvci g"	D X _{EGU} "	X _{IG} ?2X."K _E ?472 C"	3422"	"	/"	X"
I cvg"Vjtgujqnf"Xqnvci g"	X _{IG} *j+ "	X _{IG} ?X _{EG} ."K _E ?722 C"	702"	70: "	808"	X"
Eqnngvqt/G o kvvgt" Ucvtvcvkqp"Xqnvci g"	X _{EG} *ucv+ "	X _{IG} ?37X."K _E ?32C" V _I ?47ÅE." V _I ?347ÅE" V _I ?372ÅE"	" " "	" 30: 7" 4037" 4047"	" 4042" " "	X"
\ gtq" I cvg"Xqnvci g" Eqnngvqt"Ewttgpv"	K _{EGU} "	X _{EG} ?3422X."X _{IG} ?2X" V _I ?47ÅE." " V _I ?372ÅE"	" "	" " " " " "	" 2047" 7022"	" " " o C"
I cvg/G o kvvgt" " Ngcmci g"Ewttgpv"	K _{IGU} "	X _{EG} ?2X."X _{IG} ? "Ö"42X"	"	"	622"	pC"

Rctc o gygt"	U{ o dqn"	Eqpfkvkqpu"	O kp0"	V{ r0"	Ocz0"	Wpkv"
Dynamic						
kprw"Ecrcekvcpeg"	E _{igu} "	X _{EG} ?47X."X _{IG} ?2X." h"?30 J "	/"	2097"	/"	pH"
Tgxgtug"Vtcpuhtg" " Ecrcekvcpeg"	E _{igu} "		/"	20257"	/"	
I cvg"Ejctig"	S _I "	X _{EE} ? ; 82X."K _E ?32C." X _{IG} ?37X"	/"	202: "	/"	wE"
Ujqtv" Ektekv" Eqnngvqt" Ewttgpv"	K _{UE} "	X _{IG} ?37X."vueÖ32wu." X _{ee} ? ; 22X.VI 372ÅE"	/"	72"	/"	C"



DGW10N120CTL

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Electrical Characteristics of the DIODE

$R_{ctc} \text{ o } g_{vt}$	$U \{ \text{ o } d_{qn}$	$E_{qpfk} k_{qpu}$	O_{kp0}	$V \{ r0$	O_{cz0}	W_{pkv}
Dynamic , at $T_j = 25$						
$T_{gxgtug} T_{geqxtg} \{ "E_{wtg} p_{v}"$	K_{tt}	$K_H ? 32C . "X_T ? 822X . "$ $/ f_{klfv} ? 722C l \text{ u} . "$	/"	3407"	/"	C"
$T_{gxgtug} T_{geqxtg} \{ "E_{jctig}"$	S_{tt}		/"	20 ; "	/"	wE"
$T_{gxgtug} T_{geqxtg} \{ "G_{pgti} \{ "$	G_{tge}		/"	2047"	"	oL"
Dynamic , at $T_j = 125$						
$T_{gxgtug} T_{geqxtg} \{ "E_{wtg} p_{v}"$	K_{tt}	$K_H ? 32C . "X_T ? 822X . "$ $/ f_{klfv} ? 722C l \text{ u} . "$	/"	3606"	/"	C"
$T_{gxgtug} T_{geqxtg} \{ "E_{jctig}"$	S_{tt}		/"	309"	/"	wE"
$T_{gxgtug} T_{geqxtg} \{ "G_{pgti} \{ "$	G_{tge}		/"	207"	"	oL"
Dynamic , at $T_j = 150$						
$T_{gxgtug} T_{geqxtg} \{ "E_{wtg} p_{v}"$	K_{tt}	$K_H ? 32C . "X_T ? 822X . "$ $/ f_{klfv} ? 722C l \text{ u} . "$	/"	3705"	/"	C"
$T_{gxgtug} T_{geqxtg} \{ "E_{jctig}"$	S_{tt}		/"	402"	/"	wE"
$T_{gxgtug} T_{geqxtg} \{ "G_{pgti} \{ "$	G_{tge}		/"	207 : "	"	oL"

Thermal Resistance

$R_{ctc} \text{ o } g_{vt}$	$U \{ \text{ o } d_{qn}$	$O_{cz0} X_{c_{nwg}}$	W_{pkv}
$K I D V " V_{jgt} \text{ o } c_{n} " T_{gukuv} c_{peg} . " L_{wpevk} q_{p} " / " E_{cug} "$	$T_{vj} * I / e + "$	20 ; 7"	Ml Y "
$F_{kqfg} " V_{jgt} \text{ o } c_{n} " T_{gukuv} c_{peg} . " L_{wpevk} q_{p} " / " E_{cug} "$	$T_{vj} * I / e + "$	3092"	Ml Y "
$V_{jgt} \text{ o } c_{n} " T_{gukuv} c_{peg} . " L_{wpevk} q_{p} " / " C \text{ o } d_{k} g_{pv} "$	$T_{vj} * I / c + "$	62"	Ml Y "



— V_{XI}?47 "
..... V_{XI}?347 "

X_{IG}?37X"

— V_{XI}?47 "
..... V_{XI}?347 "

X_{EG}?42X

"" "" " Gqp"
"" "" " Gqhh"

X_{EE}?822X"
T_I?69qj o "
X_{IG}?037X"
V_{XI}?347 "

"" "" " Gqp"
"" "" " Gqhh"

X_{EE}?822X"
K_E?32C"
X_{IG}?037X"
V_{XI}?347 "



KE."Oqfwng"

T I ?69qj o "
X I G ?Ö37X "
V X I ?347 "

k<*****3*****4*****5*****6"
tkjMl Y _ " 205976" 204533" " 204836" " 202:92"
£ kju_ " " 203322" 202378" " 2022357" " 20222373"

" " " " V X I ?47 "
" " " " V X I ?347 " "

X E E ?822X "
T I ?69qj o "
X I G ?Ö37X "
V X I ?347 "

X_{EE}?822X"
K_H?32C"
X_{IG}?037X"
V_{XI}?347 "

k"*****3*****4*****5*****6"
tkjMI Y_ " 203846" " 20493;" " 204827" " 203787"
£ k]u_ " " 202945" " 2022:35" " 202232;" " 20222377



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