



Dw 2012B5C29D

o 1

600V 1700V IGBT

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 H I % & ' (: J K L M ! G N E O P Q R S T U 600V V 1700V Planar
 NPT IGBT: W X Y Z [\] ^ _ ` a b c d E e f 600V Trench PT IGBT: g
 h Z [\] ^ _ ` a b c d E i j W k A l m n o p q r s t u v A w x y [z { | } ~ • ! G " B U # \$ % F 1200V Planar V Trench NPT i j W k A
 ! G Q U & < ' () * + , - . 1 V / X i j F O 1 600V/1200V/1700V
 NPT IGBT ! i 2 3 F 4 i 5

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 Planar NPT IGBT i j % ; A < / X = 7 J > 8 ? @ A 1006m B i j % ;
 C u D E F U P S G H (I J K # L) M N O 2 P Q R M Q S) # M i T Q S U V
 V # W X Y Z [! G F 1700V Planar NPT IGBT i j W k \] ^ _ ` a
 IGBT b c F ` d e # f g A % ; C u D E F Q S R M h 3 Q i R V j 2 # 8
 Y Z [

! G IGBT i j W k F P k l m F n m o 2 = p F q v A r s ; < c
 M t u v N w J x 2 L y z { N O 2 S # V h 2 S # e f j 2 # 8 F S | A }
 ~ • < ' # W X M Q S R M U P S Y 2 F Z [q v ! G B c IGBT
 i j W k F P k Q I U 1200V Planar V Trench NPT IGBT
 Q F 2011 B \$ % 600V Trench PT e f 600V V 1700V Planar NPT IGBT



Wk QF wRSTU 2500V Planar NPT IGBT F noVV noQ
qrst Aw[z ~ • } ~ A600V V 1700V Trench NPT IGBTM
3300V/4500V Planar FS IGBT no DC { $V_{(BR)CES}$ V $V_{CE(on)}$ Q qr
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2005 B DMOS i j \$%e AU#RS_ \$%6 ` aWX_ 400-700V
MOSFETM6 ; aWX_ 50-200V MOSFETM8 agh_ 20-40V
MOSFETM8 ; agh_ 50-80V MOSFET Y F# R i j Wk
Bc IGBT l i j WkFRSU A ! G c# R 4i Fi
j Wk \ &OXA <' # R %TFS| A ` o2=p
F <% WV

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b> % 5 AB%b> 350 8A <' c%T & OF T
! " # \$ UI F 2000 BA2002 B <' 2F " # \$ T b) * AU& ! +
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m F 2006 B x! STATS Chi pPAC S|) U# T F 2007 B V8
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8 8 b > % 2A { & \ F i j Wk 4i \

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