

' \$J 'D!7\ 'Dck Yf' A C G: 9H

Feature

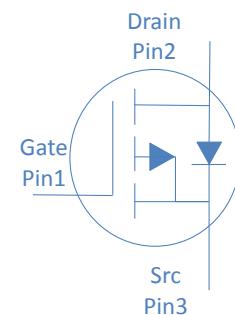
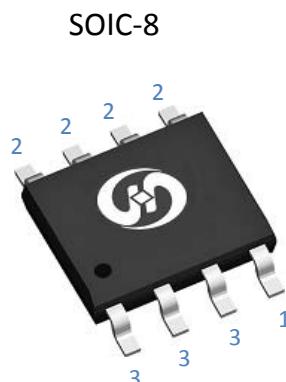
- High Speed Power Switching, Logic Level
- Enhanced Avalanche Ruggedness
- 100% UIS Tested, 100% Rg Tested
- Lead Free, Halogen Free

V_{DS}	-30	V
$R_{DS(on),typ}$	$V_{GS}=10V$	12 mΩ
$R_{DS(on),typ}$	$V_{GS}=4.5V$	17 mΩ

Application

- Hard Switching and High Speed Circuit
- DC/DC in Telecoms and Industrial

DUFhBi a VYf	DUWU[Y	A Uf]b[
HTS140P03	SOIC-8	TS140P03



Absolute Maximum Ratings at $T_J=25^\circ C$

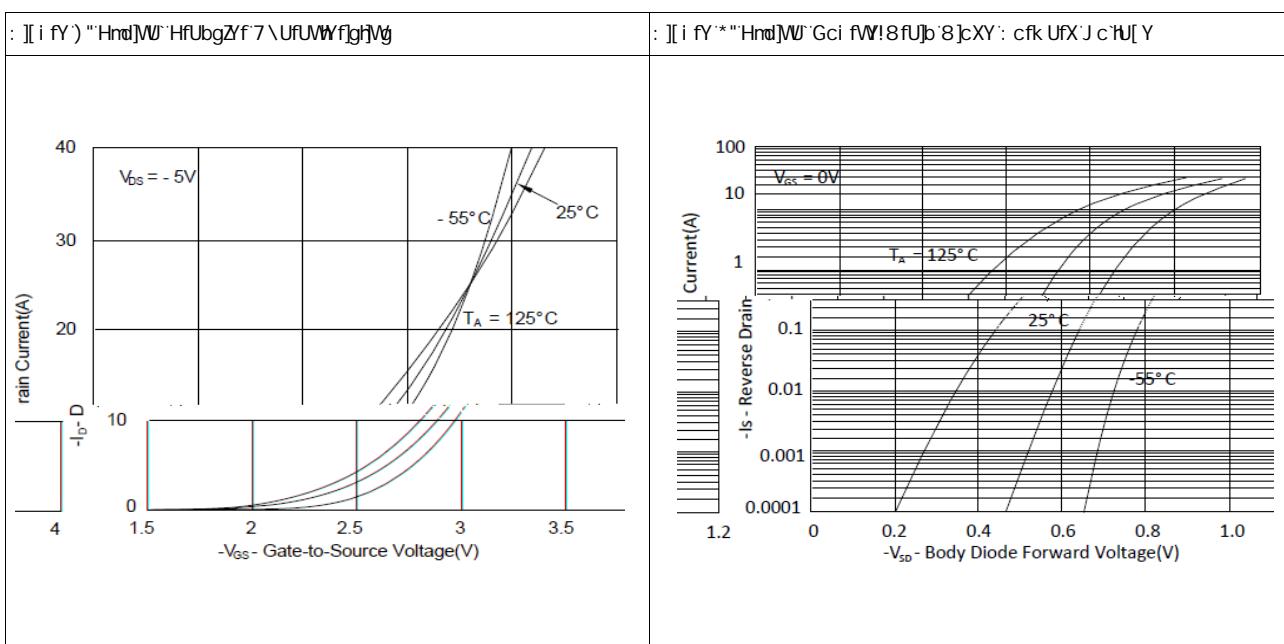
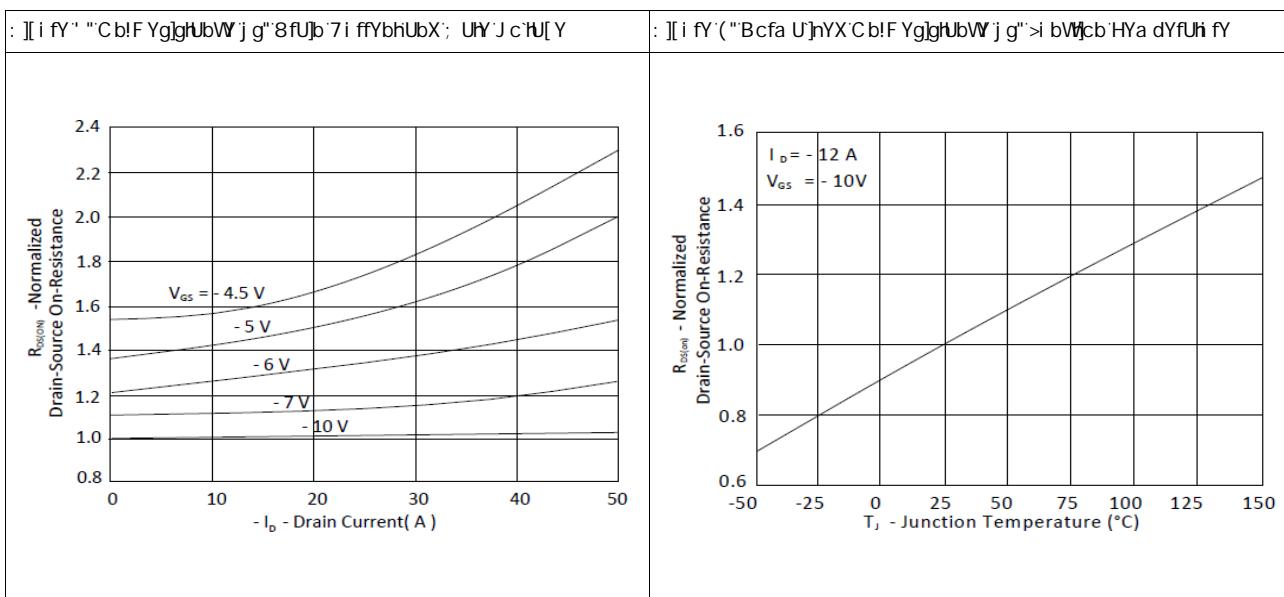
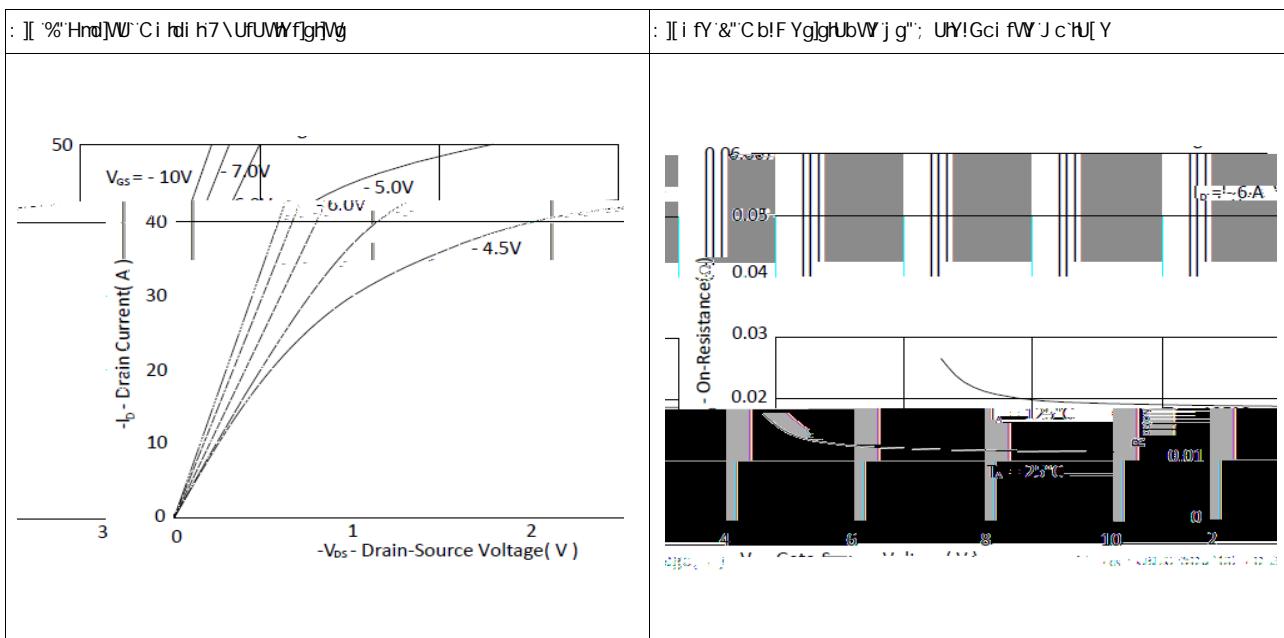
DUFhBi a VYf	Symbol	7cbX]Hcbg	Value	Unit
7cbhbi ci g'8fU]b'7i ffYbhfG]Mcb'@ja JYX	I_D	$T_C=125^\circ C$	-12	A
8fU]b'hc'Gci fW'J c'Y	V_{DS}		-30	
; UY'hc'Gci fW'J c'Y	V_{GS}	-	± 25	V
Di 'gYX'8fU]b'7i ffYbh	I_{DM}		-48	A
5j U'UbVNY'9bYf[n'G]b['Y'Di 'gY	E_{AS}		2.5	K
			-55 to 150	

Absolute Maximum Ratings

DUFhBi a VYf	Symbol	Max	Unit
H\Yfa U'F Yg]g]UbW'>i bW]cb!5a V]Ybh	$R_{\theta>5}$	50	°K
H\Yfa U'F Yg]g]UbW'>i bW]cb!7 UgY	$R_{\theta>7}$	25	°K

9`YVW]W`7\UfUWWfgh]Wg`UhH1&) 'fl b`Ygg`c`H`Yfk]gY`gdYW]WYXŁ
GtUH]W7\UfUWWfgh]Wg`

DUfJa YHf	Symbol	7cbXHcbg	Value			
			min	typ	max	Unit
8fU]b`hc`Gci fW`6fYU_Xck b`J c`H]Y V _{f_{FBG}}	V _{f_{FBG}}	V _{GS} =0V, I _D =-250μA	-30	-	-	V
; UH`HfYg\c`X]J c`H]Y	V _{g_{th}}	V _{GS} =V _{DS} , I _D =-250μA	-1.0	-1.5	-3.0	
NYfc`; UH`J c`H]Y`8fU]b`7i ffYbh	I _{DSS}					
8fU]b`hc`Gci fW`cb`F Yg]ghUbW	R _{DS(on)}	V _{GS} =-10V, I _D =-12A	-	12	14	mΩ
HfUbgWtbXi WUbW						
Ci hdi h7 UduW]HUbW	C _{oss}		-	2270		
			-			
			-	300	-	
; UH`hc`Gci fW`7\Uf[Y			-	4.9	-	
; UH`hc`8fU]b`fA]`YfL`7\Uf[Y	Q _{LX}		-	7.5		





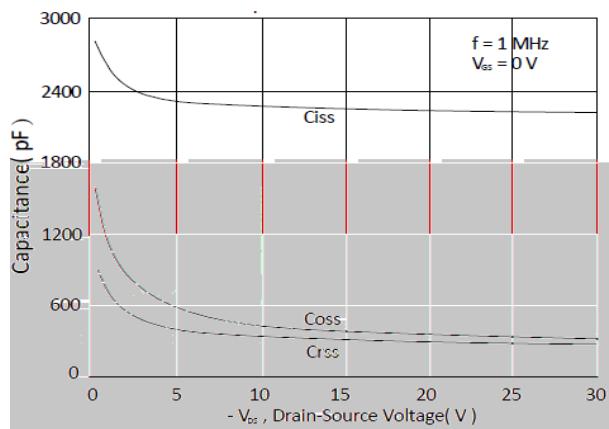
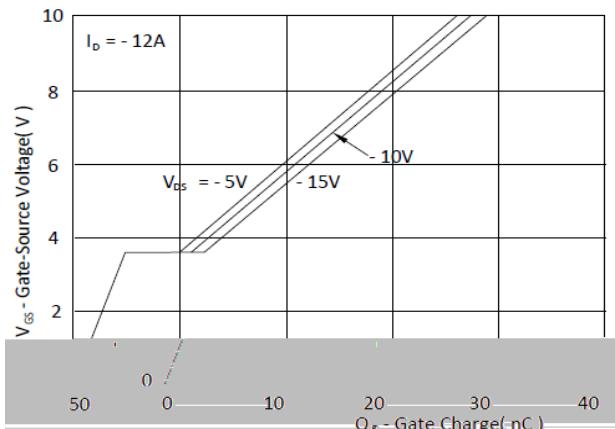
HTS140P03

P-4

Hunteck

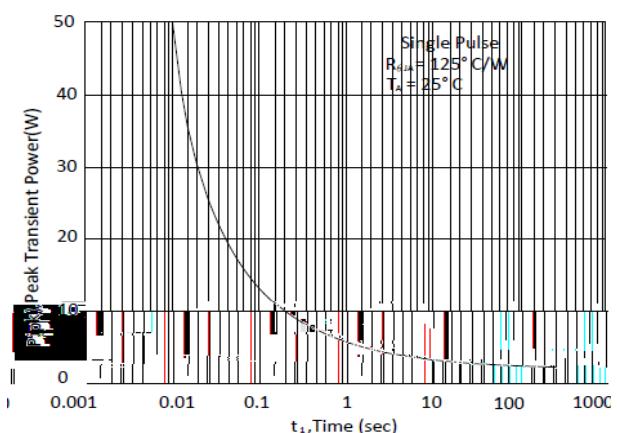
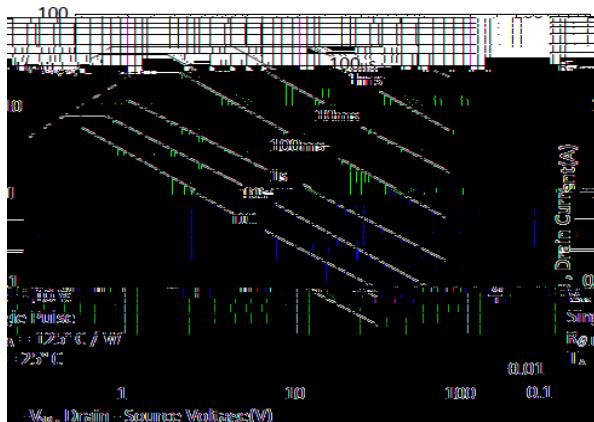
:][i fY + "Hnd]W\`; UHY! 7 \Uf[Y j g"; UHY! hc! Gci fW J c' hU[Y

:] [i fY , " HnclM W ' 7 UdUW] Hu bW j g " 8 fU] b ! hc ! Gci fW J c ` hU [Y

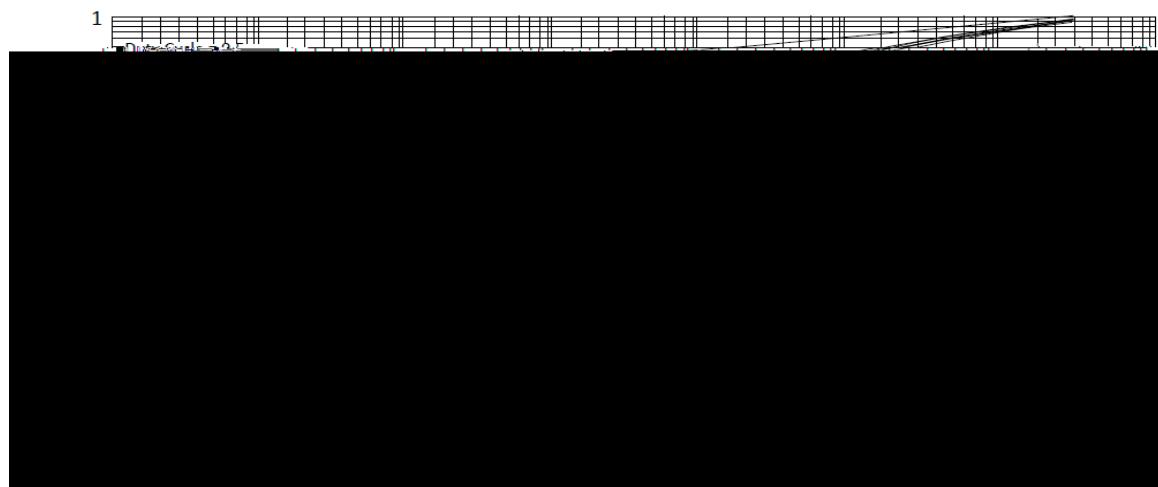


:][i fY - "A UI]a i a 'GUZY' CdYfUHb['5fYU

: \| i fY %\\$" G\|b \| Y Di \qY A U \|a i a \| Dck Yf 8 \|aq\|dU\|cb



: T i fY %% Bcfa U\hYX A U\ la i a \HfUbq\YbhH\Yfa U\ a dYXUbW\z>i bWcb! hC! 5a V\Ybh



≠bXi Wj Y'gk JhW]b[HYgh

; UHY'7\Uf[Y'HYgh

I Wu dYX ≠bXi Wj Y'Gk JhW]b[fl =GŁHYgh

8]cXY'F YWtj YfmHYgh



DUWU[Y'Ci h]bY

GCD!, ž, `YUXg