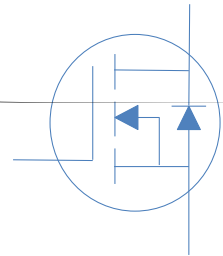


&\$J 'B!7 'Dck Yf'A CG: 9H

V_{DS}		&\$	V
$R_{\theta Gfcbtzm}$	HC!&*'	- "%	m
$R_{\theta Gfcbtzm}$	HC!&(+	, "+	m
$R_{\theta Gfcbtzm}$	HC!&&\$	- "(m
$I_{B fG]]\text{Mb} @ja$	Xk	% &	A



DUfhBi a VYf	DUW_U[Y	A Uf_]b[
< ; 6%/%\$B &\$G	HC!&*'	; 6%/%\$B &\$G
< ; ? %/%\$B &\$G	HC!&(+	; ? %/%\$B &\$G
< ; D%/%\$B &\$G	HC!&&\$; D%/%\$B &\$G

Absolute Maximum Ratings at T_1 &) 'fl b'Ygg'c\h\Yfk]gY'gdYV\ZYXk

DUFUa YHYf	Symbol	7 cbX]hcbg	Value	Unit
7 cb]bi ci g'8fU]b'7i ffYbh 'fG]]\text{Mb} @ja]YXk	I_D	T_1 &) T_1 %&\$	% & - '	A
8 fU]b'hc'Gci fW'J c'hU[Y	V_{DS}	!	&\$	V
; UHY'hc'Gci fW'J c'hU[Y	V_{GS}	!	\pm &\$	V
Di `gYX'8fU]b'7i ffYbh	I_{DM}	!	' + \$	A
5j U'UbV\Y'9bYf[n\text{z}G]b[`Y'Di `gY	q_{AS}	@1 \$(a < \text{z}H_7 1&)	+ &\$	a >
Dck Yf'8]gg]dU]cb	P_D	T_1 &)	(&-	K
CdYfU]b[`UbX'GhcFU[YHYa dYfU]h fY	T_{stg}	!	!)) 'hc%+	

Absolute Maximum Ratings

DUFUa YHYf	Symbol	Max	Unit
H\Yfa U'F Yg]g]UbW'>i bV]cb!7 UgY	$R_{>7}$	\$")	#
H\Yfa U'F Yg]g]UbW'>i bV]cb!5a V]Ybh	$R_{>5}$	* \$	#



9 YVWfW7 \ UfUWVfJgHvUg UhiH,1&) 'fl b Ygg'ch Yfk JgY'gdYVWZYXt

GfUjW7 \ UfUWVfJgHvUg

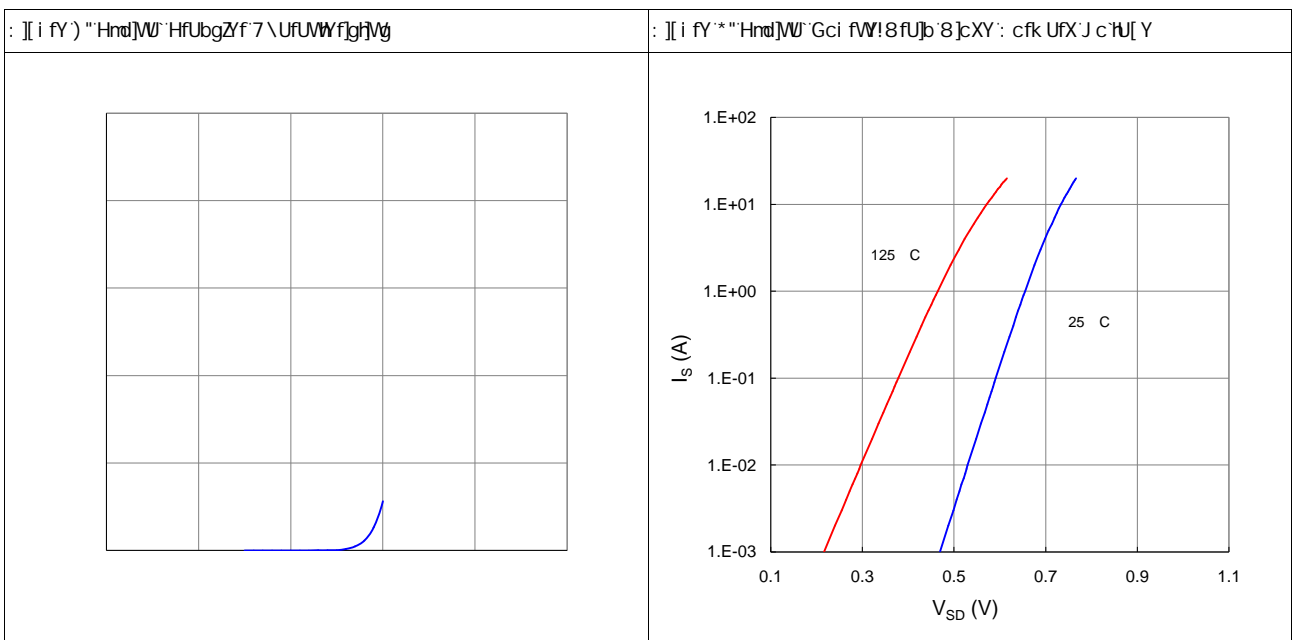
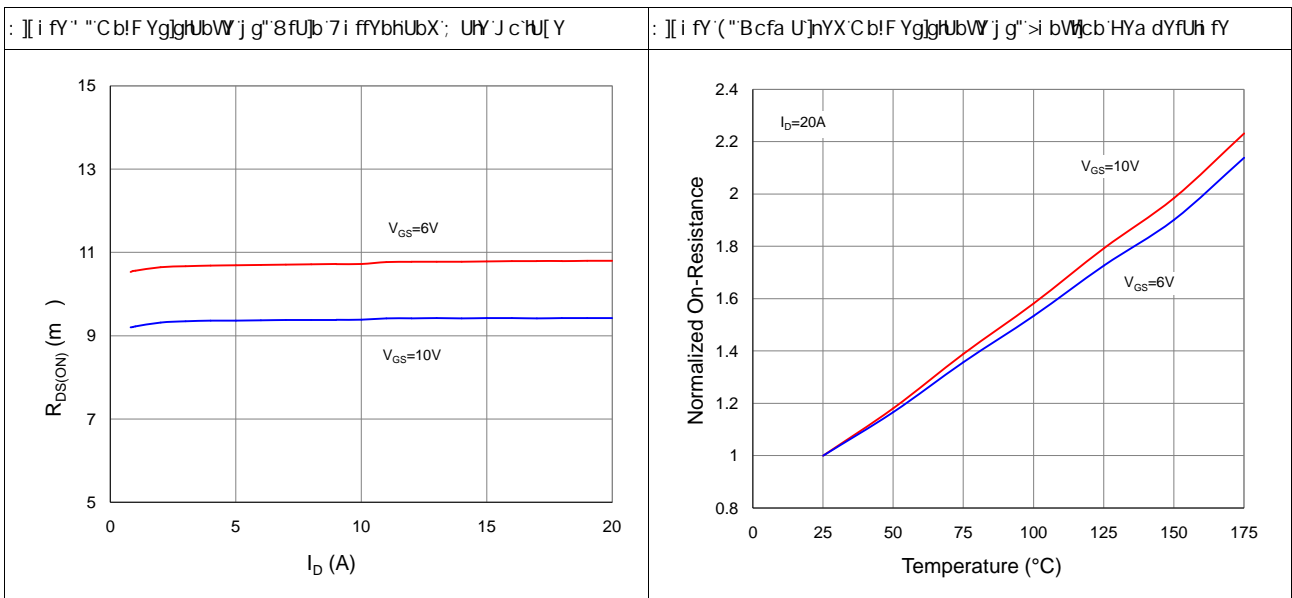
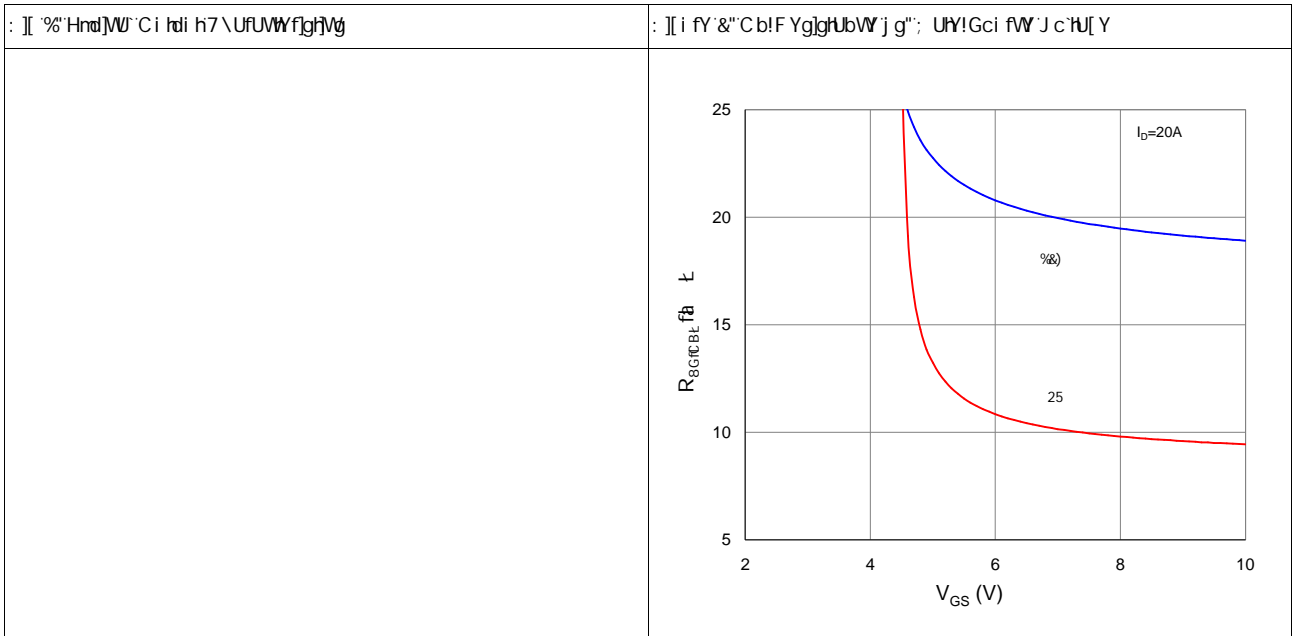
DUfUa YHf	Symbol	7 cbXJhcbg	Value			Unit	
			min	mid	max		
8fUj b'hc'Gci fW'6fYU_Xck b'J c'UJ[Y	V _{fBf tBGG}	V _{GS1} J Ž ₁ &\$ A	&\$!	!	V	
; UY' H\ fYg\ c'X'J c'UJ[Y	V _{J GfM}	V _{GS} =V _{DS} , I _D 1&\$ A	2	'	(
NYfc'; UY'J c'UJ[Y'8fUj b'7i ffYbh	I _{DSS}	V _{GS1} J Ž _{DS1} %\$J ŽH,1&)	!	!	%	A	
		V _{GS1} J Ž _{DS1} %\$J ŽH,1%\$\$!	!	%\$\$		
; UY'hc'Gci fW'@YU_U[Y'7i ffYbh	I _{GSS}	V _{GS1} t&\$J Ž _{DS1} J	!	!	±%\$\$	nA	
8fUj b'hc'Gci fW'cb'F YgJgUbw	R _{8GfBt}	V _{GS1} %\$J Ž ₁ &\$5	HC!&*''	!	- "%	%"+	m
			HC!&(+	!	, "+	%"-	
			HC!&&\$!	- "(%%	
HfUbgVt bXi VUbw	g _Z	V _{DS} =5V, I _D 1&\$5	!	+\$!	S	
; UY'F YgJgUbw	R _G	V _{GS1} J Ž _{DS} CdYbžZi%A <n	!	(" \$!		

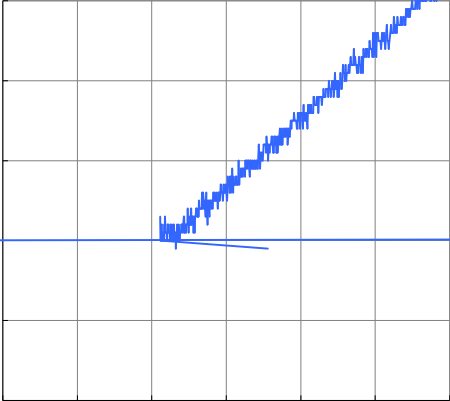
8nbUa Jw7 \ UfUWVfJgHvUg

hdi h7 UdUWfJgUbw	7 _{iss}		!	(- +\$!	d:
Ci hdi h7 UdUWfJgUbw	7 _{oss}	V _{GS1} J Ž _{DS1} %\$J ŽZi%A <n	!	(&\$!	
F Yj YfgY' HfUbgZf'7 UdUWfJgUbw	7 _{fgg}		!	+)"	!	
HcU'; UY'7 \ Uf[Y	Q _g		!	56	!	b7
; UY'hc'Gci fW'7 \ Uf[Y	Q _{gs}	V _{DD1} %\$J Ž ₁ &\$5 Ž _{GS1} %\$J	!	%	!	
; UY'hc'8fUj b'fA]'Yf'7 \ Uf[Y	Q _{LX}		!	5	!	
Hi fb'cb'8Y'UmH]a Y	t _{XfBt}		!	%*	!	ns
Rise time	t _f	V _{DD1} %\$J Ž ₁ &\$5 Ž _{GS1} %\$J Ž	!	22	!	
Hi fb'cZ8Y'UmH]a Y	t _{XfZt}	R _{G1} %\$,	!	' ,	!	
: U' H]a Y	t _Z		!	%\$!	

F Yj YfgY'8]cXY'7 \ UfUWVfJgHvUg

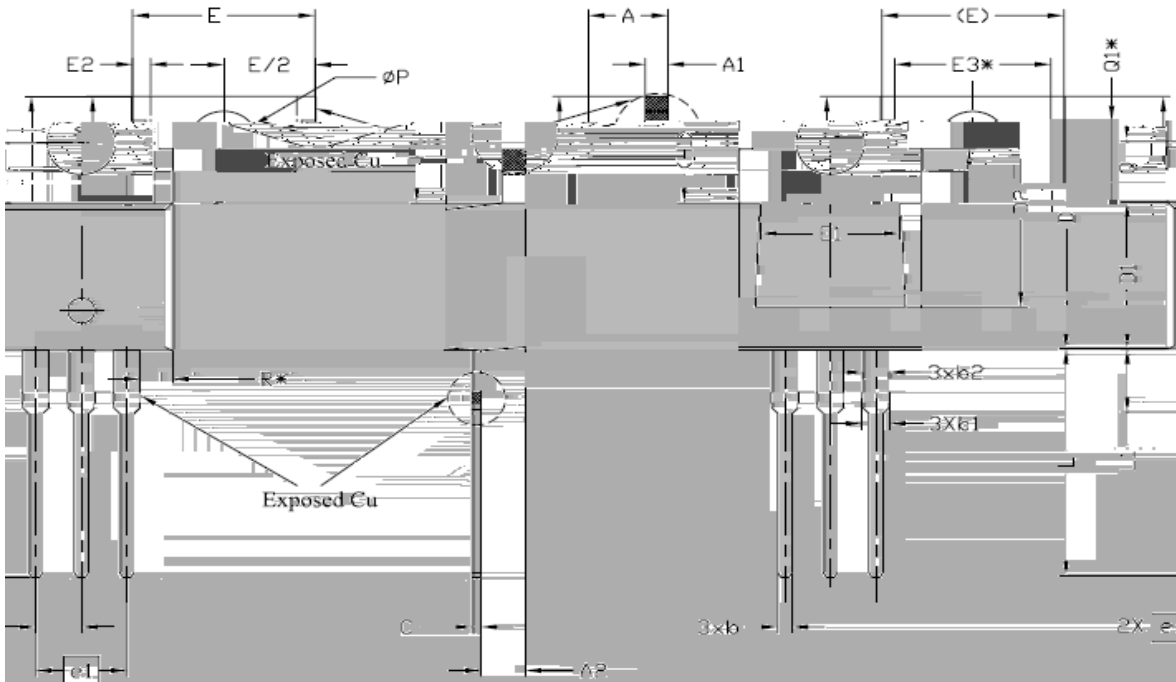
8]cXY': cfk Uf'J c'UJ[Y	V _{SD}	V _{GS1} J Ž=1&\$5	!	\$"-	!	V
F Yj YfgY'F YWtj YfmH]a Y	t _{ff}	V _{R1} %\$J Ž=1&\$5 ŽX=#H1%\$5# s	!	%(\$!	ns
F Yj YfgY'F YWtj Yfm7 \ Uf[Y	Q _{ff}		!	*' \$!	b7



<p>:][i fY '+' Hnd]W"; UY!7\Uf[Y] g"; UY!hc!Gci fW'J c'U[Y</p>	<p>:][i fY , "Hnd]W"7 UdUW]ubW' j g"8fU]b!hc!Gci fW'J c'U[Y</p>
	
<p>:][i fY '-' A U] ja i a 'GUZ' C dYfU]b['5fYU</p>	<p>:][i fY %\$" A U] ja i b'8fU]b'7i ffYbhj g"7 UgY'HYa dYfU]h fY</p>
<p>:][i fY %%" Bcfa U]nYX' A U] ja i a 'HfUbg]YbhH\Yfa U' a dYXUbW'z>i bW]cb!hc!7 UgY</p>	

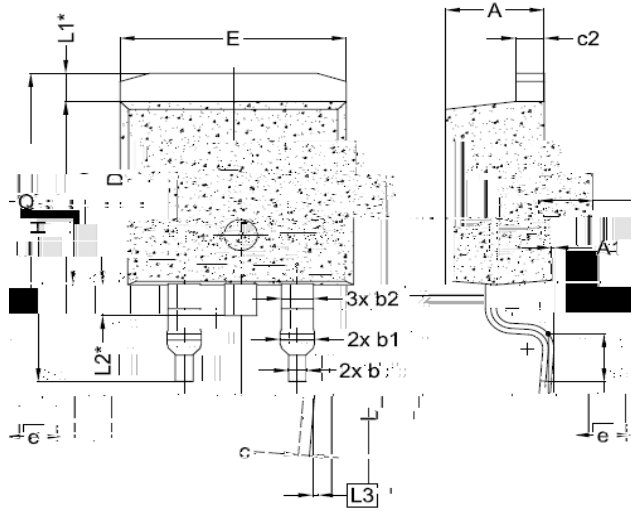
Vertical line with tick marks on the right side.

HC!&&\$Z' `YUXg



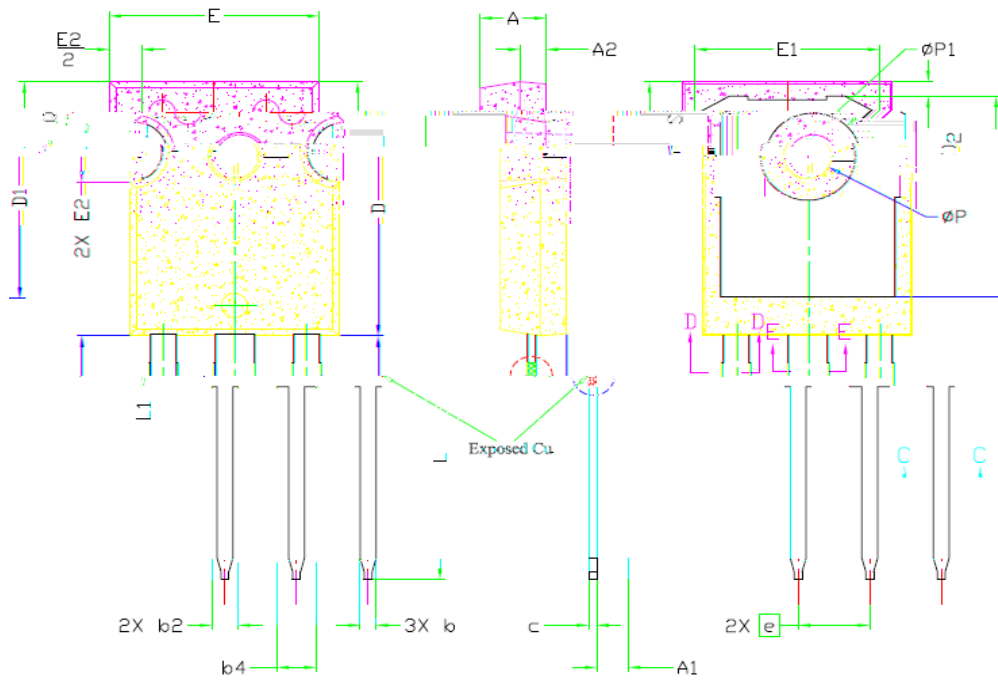
SYMBOL	DIMENSIONS			NOTES
	MIN.	NOM.	MAX.	
A	4,24	4,44	4,64	
A1	1,15	1,27	1,40	
A2	2,30	2,48	2,70	
b	0,70	0,80	0,90	
b1	1,20	1,55	1,75	
b2	1,20	1,45	1,70	
c	0,40	0,50	0,60	
D	14,70	15,37	16,00	4
D1	8,82	8,92	9,02	
D2	12,63	12,73	12,83	5
E	9,96	10,16	10,36	4,5
E1	6,86	7,77	8,89	5
E2	-	-	0,76	6
E3*	8,70REF.			
e	2,54BSC			
e1	5,08BSC			
H1	6,30	6,45	6,60	5,6
L	13,47	13,72	13,97	
L1	3,60	3,80	4,00	
∅P	3,75	3,84	3,93	
Q	2,60	2,80	3,00	
Q1*	1,73REF.			
R*	1,82REF.			

HC!&* ' ž&`YUXg



SYMBOL	DIMENSIONS		
	MIN.	NOM.	MAX.
A	4.24	4.44	4.64
A1	0.00	0.10	0.25
b	0.70	0.80	0.90
b1	1.20	1.55	1.75
b2	1.20	1.45	1.70
c	0.40	0.50	0.60
c2	1.15	1.27	1.40
D	8.82	8.92	9.02

HC!&(+ž' `YUXg



SYMBOL	DIMENSIONS			NOTES
	MIN.	NOM.	MAX.	
A	4.83	5.02	5.21	
A1	2.29	2.41	2.55	
A2	1.50	2.00	2.49	
b	1.12	1.20	1.33	
b1	1.12	1.20	1.28	
b2	1.91	2.00	2.39	6
b3	1.91	2.00	2.34	
b4	2.87	3.00	3.22	6, 8
b5	2.87	3.00	3.18	
c	0.55	0.60	0.69	6
c1	0.55	0.60	0.65	
D	20.80	20.95	21.10	4
D1	16.25	16.55	17.65	5
D2	0.51	1.19	1.35	
E	15.75	15.94	16.13	4
E1	13.46	14.02	14.16	5
E2	4.32	4.91	5.49	3
e	5.44BSC			
L	19.81	20.07	20.32	
L1	4.10	4.19	4.40	6
øP	3.56	3.61	3.65	7
øP1	7.19REF.			
Q	5.39	5.79	6.20	
S	6.04	6.17	6.30	