BA)6C757#A

5 6

#78'5 9:'5-;2<'=>)?@A

Feature

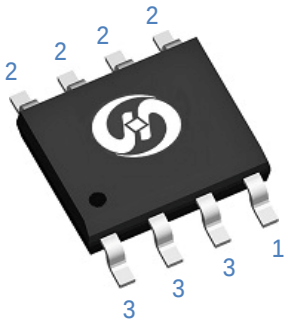
◇ High Speed Power Switching, Logic Level
◇ Enhanced Avalanche Ruggedness
◇ 100% UIS Tested, 100% Rg Tested
◇ Lead Free, Halogen Free

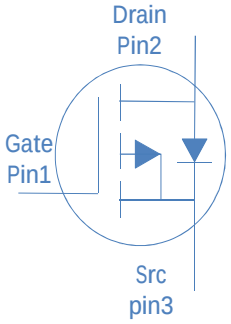
$8_{\&)}$		#7	8
$E_{\&)(-.4F1GH}$	$8_{I)}$J678	6D	0Ω
$E_{\&)(-.4F1GH}$	$8_{I)}$JD"K8	L6	0Ω
$\%_{\&'()*+*,-.'/*0*1234}$		!"#	$

Application

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

SOIC-8





5M<1'NO0P2<	5M,QMR2	=M<Q*.R
BA)6C757#A	)>%9 C	A)6C757#A

Absolute Maximum Ratings at T_j=25 (unless otherwise specified)

Parameter	Symbol	Conditions	Value	Unit
9-.1*.0-OW'&<M*.'90<<2.1'()*+*,-.'/*0*1234	$\%_{\&}$	A_9JLKS	!"#	$
&<M*.'1-')-0<,2'8-+1MR2	$8_{\&)}$		#7	8
IM12'1-')-0<,2'8-+1MR2	$8_{I)}$		VL7	8
5O+W23'&<M*.'90<<2.1	$\%_{\&=}$		#U"L	$
5-;2<'&*WW*HM1*-.	$5_{\&}$	$A_{\$}$JLKS	L"K	T
>H2<M1*.R'M.3')1-<MR2'A20H2<M10<2	A_XF'A_{W1R}		KK'1-6K7	S

Absolute Maximum Ratings

Parameter	Symbol	Max	Unit
A:2<0M+'E2W*W1M.,2'XO.,1*-. $0P*2.1'	$E_{\theta X\$}$	K7	SYT

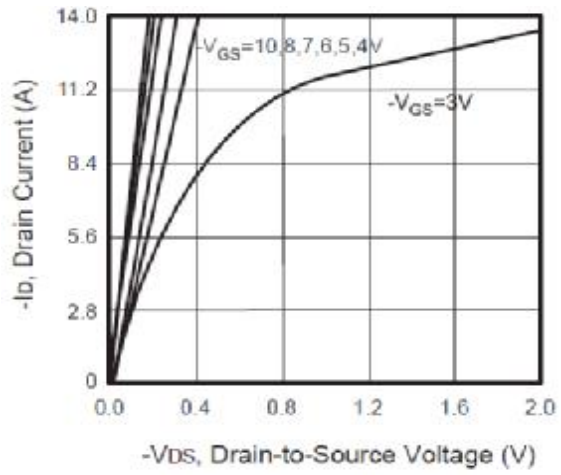
=D ( ) 13.2 re D ( )

12r3 052 99.84 13.2 re hi

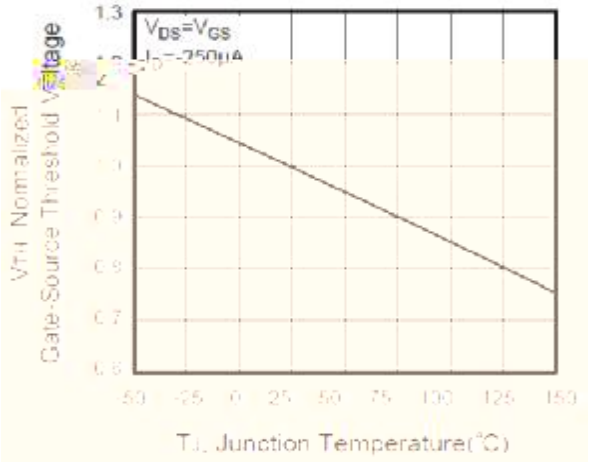
			max	
8 J78F'%&J LK7µ$				
8 J8&)F'%&J LK7µ$	7"C			
8 J78F'8&)J #78F'A JLK S			6	µ$
JV 78F'8&)J78			V677	.$
678F J D$		6D	6C	0Ω
F'%&J $		L6	LZ	
		LZ7		H?
				.9

8 J LD8F'%&J

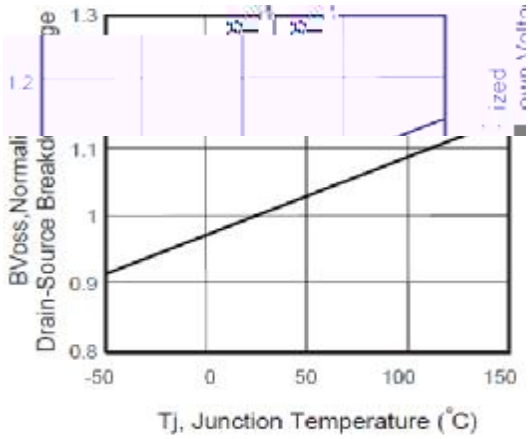
?*R'6"'AGH*,M+'>O1HO1'9:M<M,12<*W1*,W



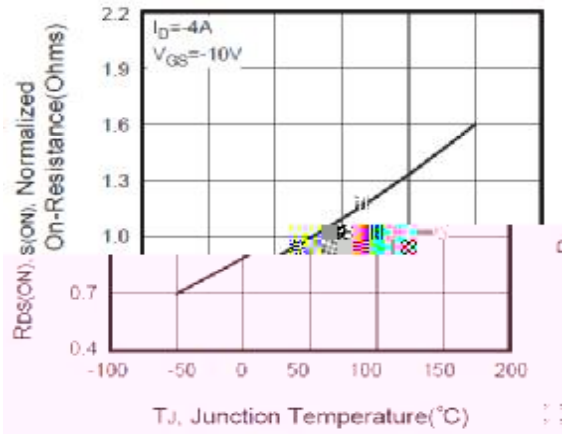
?*RO<2'L"'IM12'A:<2W:-+3''8-+1MR2'\W"'XO.,1*-.'A20H2<M1O<2



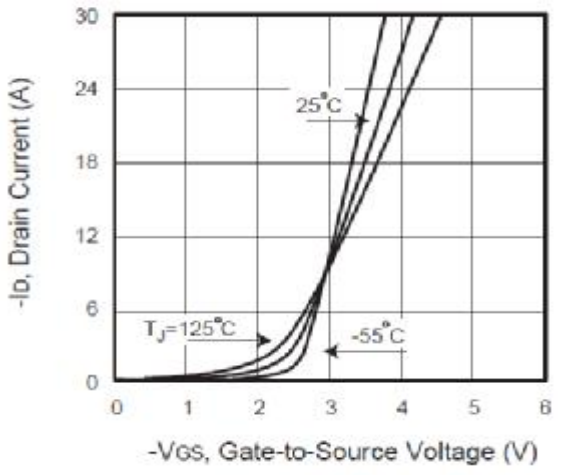
?*RO<2'#"'`<2MQ3-;.'8-+1MR2'\W"'XO.,1*-.'A20H2<M1O<2



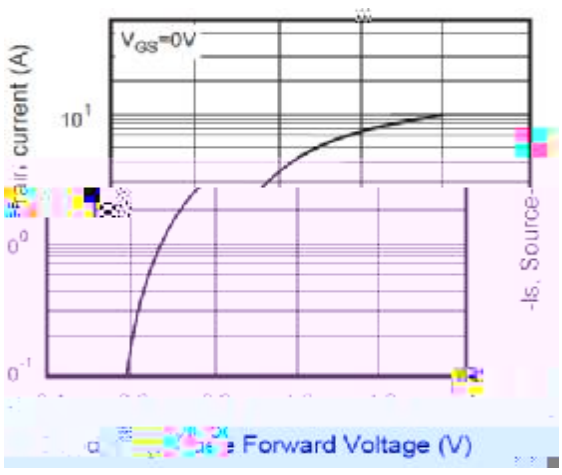
?*RO<2'D"'N-<0M+*_23'>. E2W*W1M.,2'\W"'XO.,1*-.'A20H2<M1O<2



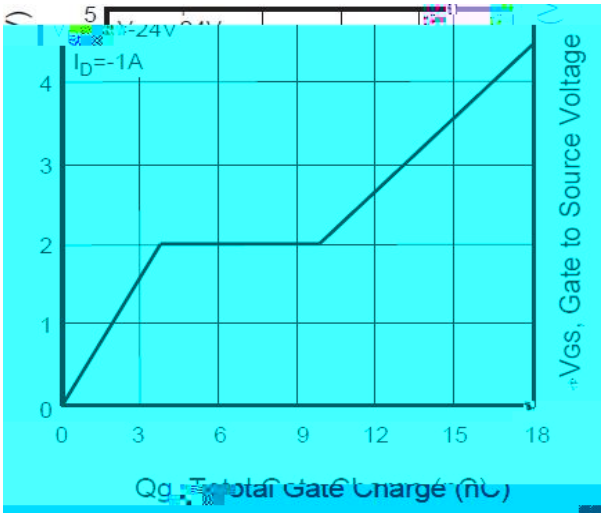
?*RO<2'K"'AGH*,M+'A<M.W]2<'9:M<M,12<*W1*,W



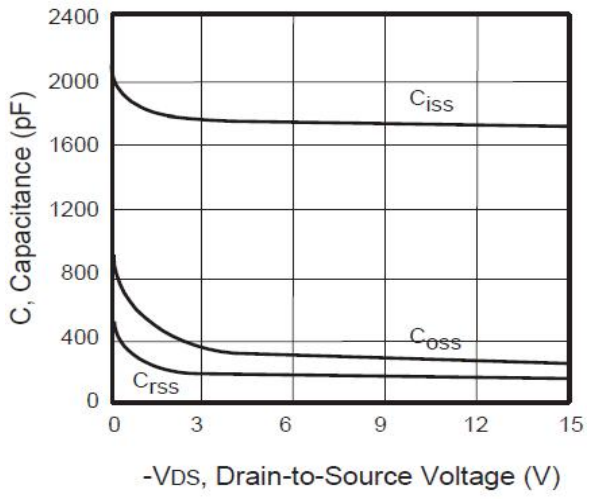
?*RO<2'Z"'AGH*,M+')-O<,2 &<M*.'&*-32'?-<;M<3'8-+1MR2



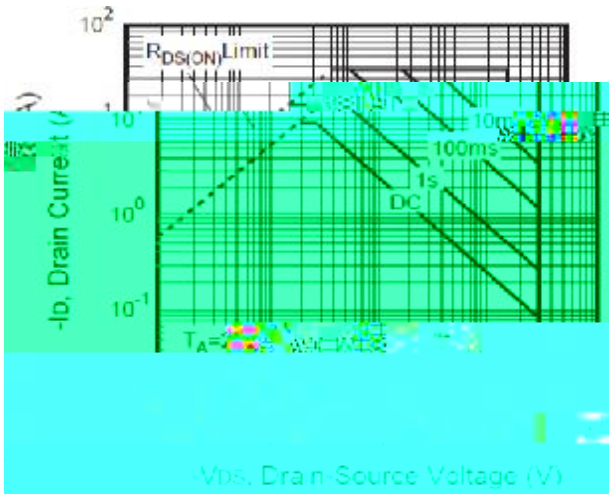
?*RO<2'U"'AGH*,M+' I M12 9 :M<R2'\W"' I M12 1-) -O<,2'8-+1MR2



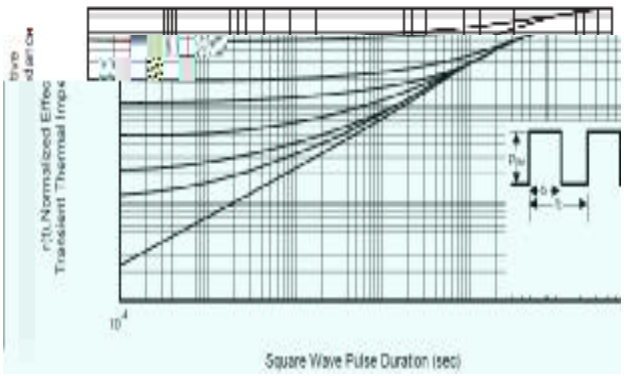
?*RO<2'C"'AGH*,M+'9MHM,*1M.,2'\W"'&<M*. 1-) -O<,2'8-+1MR2



?*RO<2'!"'=Mb*000')M]2'>H2<M1*.R'$<2M



?*RO<2'67"'N-<0M+*_23'=Mb*000'A<M.W*2.1'A:2<0M+'%0H23M.,2F XO.,1*-. 1- $0P*2.1



5M,QMR2'>O1+*.2

SOIC-8, 8 Leads