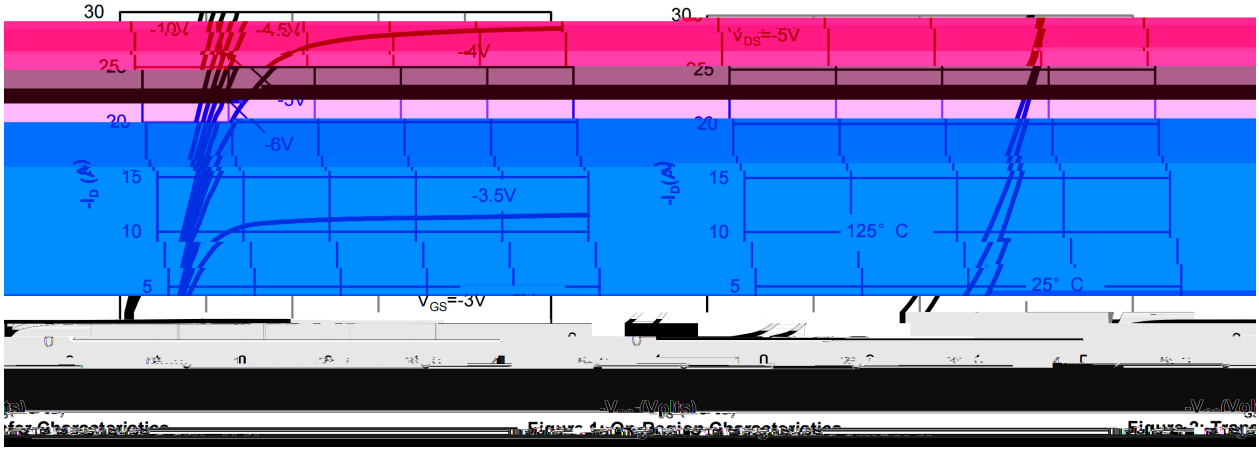
TO-252 .> / / x P ?ú 3 MOS « | • ’ož
P-CHANNEL MOSFET in a TO-252 Plastic Package.

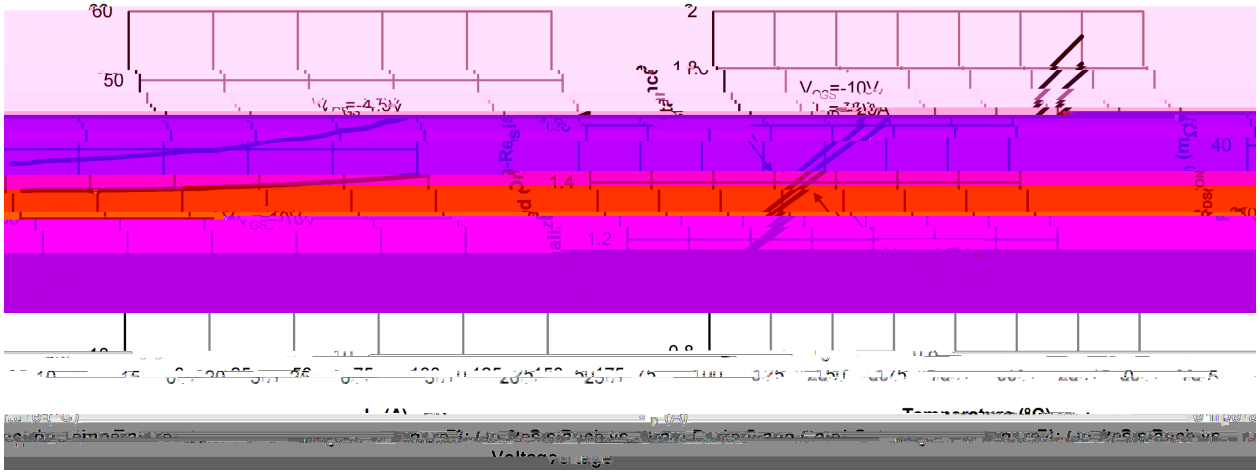
8* 9 U ₸4 k y > z k) X Y4 k • ¼ , † ½ k … ` ' +) 7 ö Õ ä U ´ Å } L k —)í D }ož
Low $R_{DS(on)}$,low gate charge, low C_{rss}

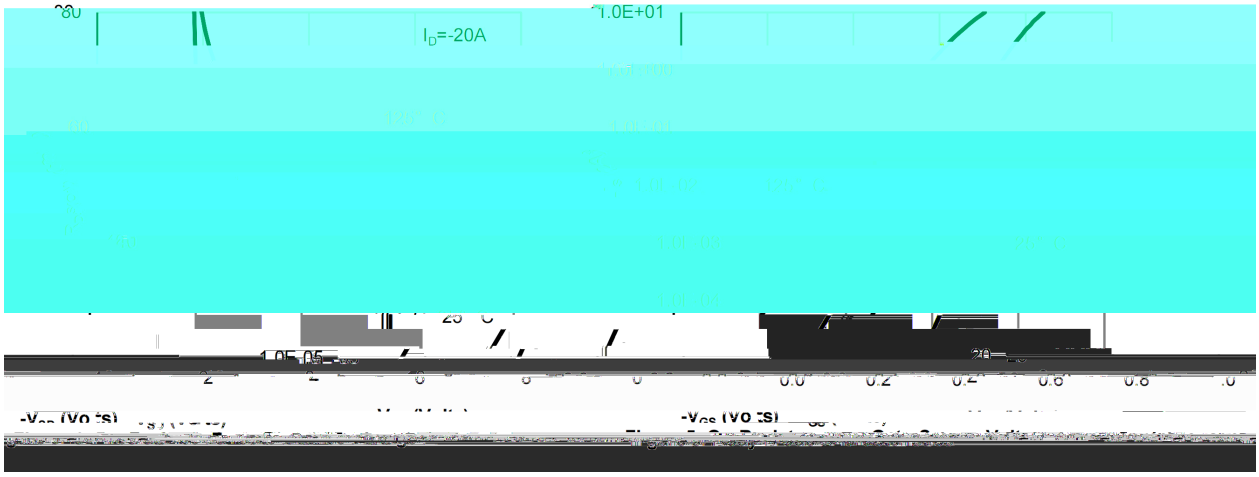
@ ƒ Parameter		… Z Symbol	ƒ › Rating	% y Unit
Drain-Source Voltage		V_{DS}	-60	V
Drain Current		I_D(Tc=25)	-50	A
Drain Current - Pulsed		I_{DM}	-200	A
Gate-Source Voltage		V_{GS}	±20	V
Power Dissipation		P_D(Tc=25)	85	W
Single Pulsed Avalanche Energy		E_{AS}	250	mJ
Avalanche Current(L=0.5mH)		I_{AS}	25	A
Junction and Storage Temperature Range		T_j, T_{stg}	-55 to 150	-
Thermal resistance, junction - ambient	t 0 10s	R ©JA	25	/ W
	Steady-State		50	
Thermal resistance, junction - case	Steady-State	R ©JC	1.5	

@ ƒ Parameter	… Z Symbol	y ¡ Ú ^ Test Conditions	Â 4 › Min	Á º › Typ	Â Ý › Max	% y Unit
Drain-Source Breakdown Voltage	BV_{DSS}	V_{GS}=0V I_D=-250 A	-60	-68		V
Zero Gate Voltage Drain Current	I_{DSS}	V_{DS}=-60V V_{GS}=0V			-1.0	A
		V_{DS}=-48V T_C=150			-10	
Gate-Body Leakage Current Forward	I_{GSS}	V_{GS}=±20V V_{DS}=0V			±0.1	A
Gate Threshold Voltage	$V_{GS(th)}$	V_{DS}=V_{GS} I_D=-250 A	-2.0	-3.0	-4.0	V

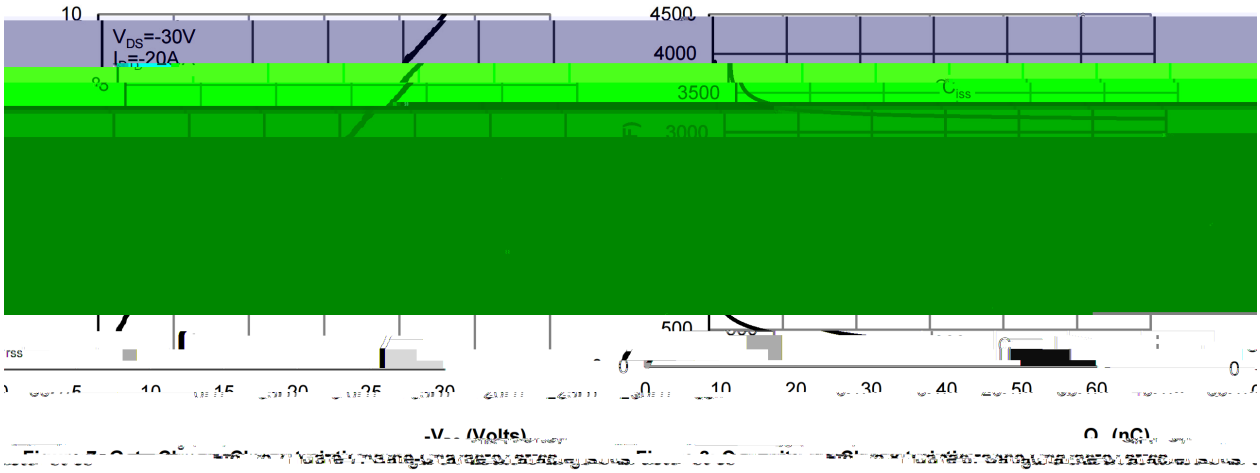
Ô ? d • Ž ¢ / Electrical Characteristic Curve

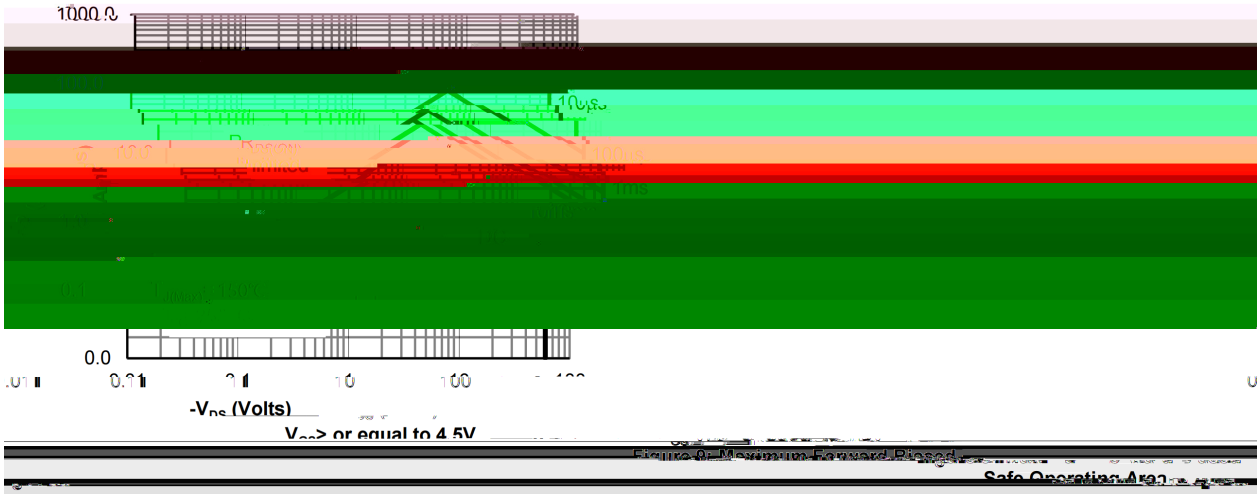


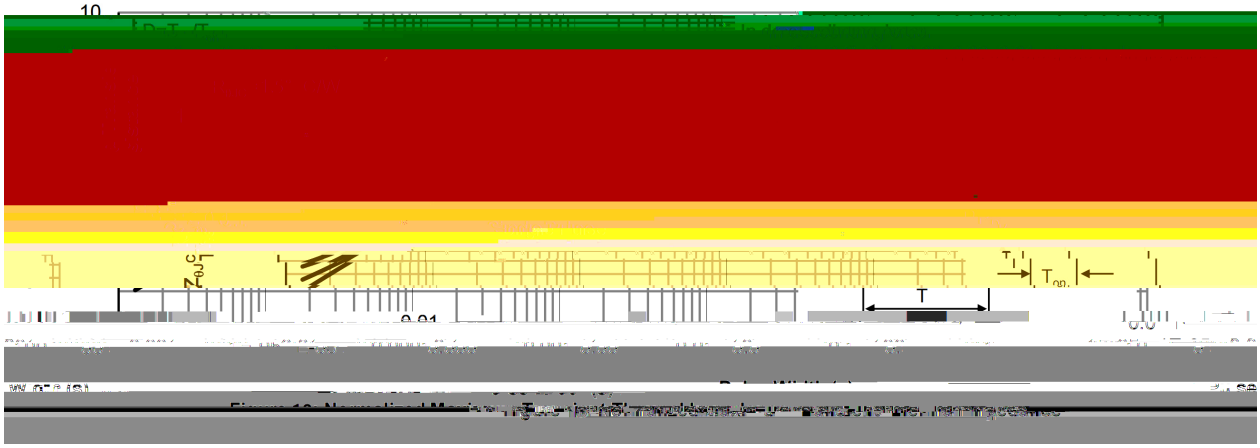




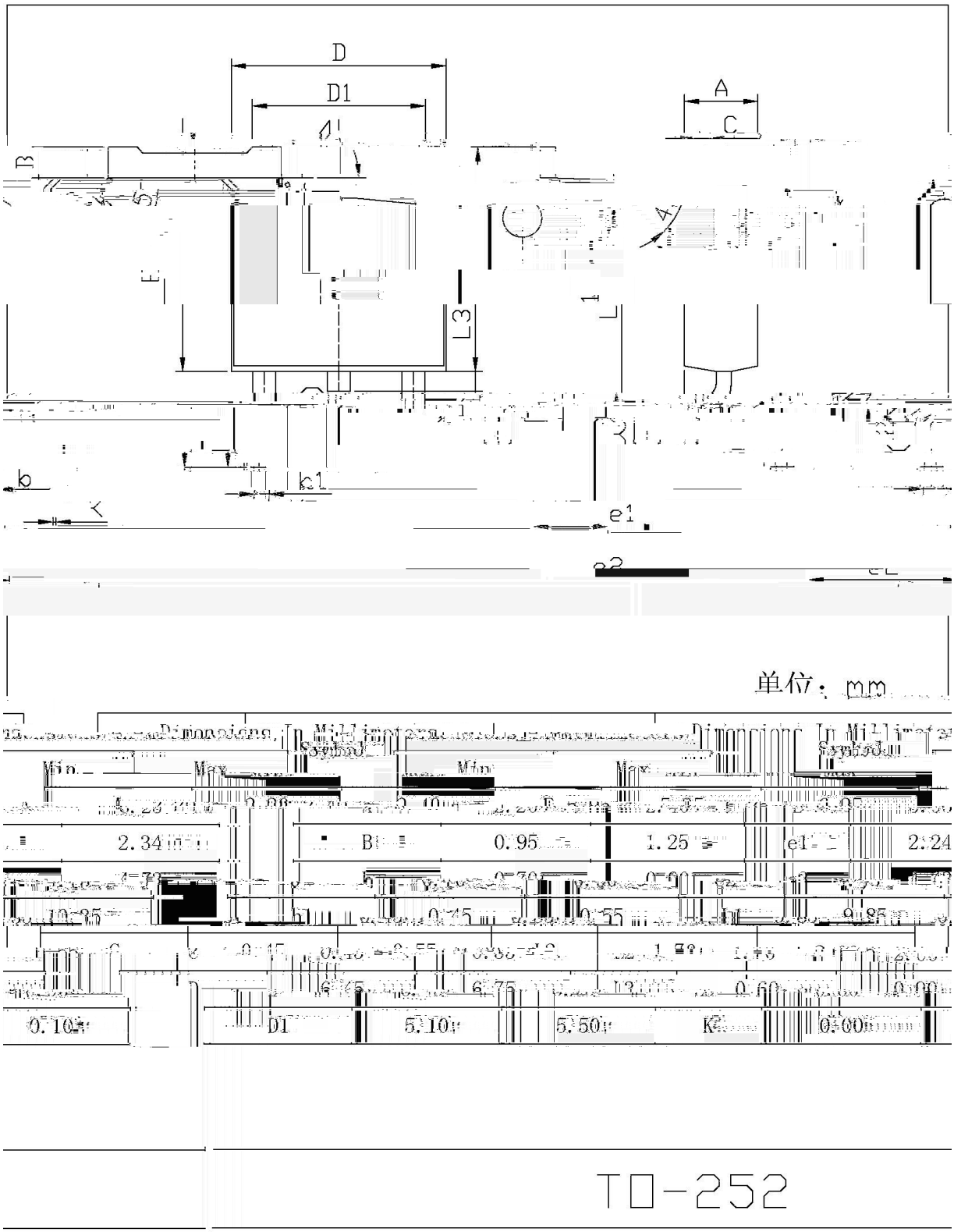
Ô ? d • Ž ¢ / Electrical Characteristic Curve



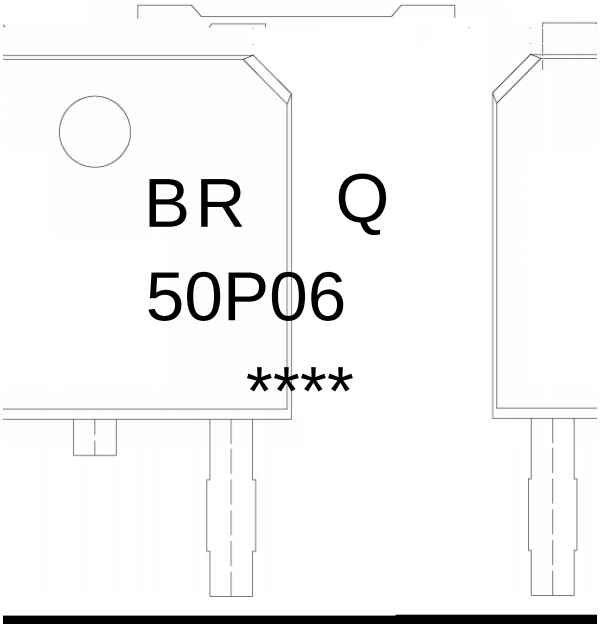




Ø ¤ =) ¢ / Package Dimensions



, M y ƒ / Marking Instructions



ª ¢ y

BR y ¸ [W A

Q y V ñ —)í D } ö œ

6 y º Z W A

y ÿ D Z W A k š ÿ D Z J

Note:

BR:	Company Code
Q:	Automobile halogen-free product Code
50P06:	Product Type Code
****:	Lot No. Code, code change with Lot No

š WD t … • Ž ¢ (x /) / : K S V K X G Z [X K 6 X U L O R K L U X / 8 8 K L R U] 9 U R J K X O T M 6

ª ¢ y

1o• Ä ½ “ † 150 ½200 - k ž • 60 ½120sec;

2o• Q › “ † 255 r5 - k ž • 4 Ò 5 r0.5sec;

3o•D N ò i Ò 0 , † 2 ½10 - /sec.

Note:

1.Preheating:150~200 - , Time:60~120sec.

2.Peak Temp.:255 r5 - , Duration:5 r0.5sec.

3. Cooling Speed: 2~10 - /sec.

ÂD /Cã p ¯ »] / Resistance to Soldering Heat Test Conditions

“ † y 260 r5 - ž • y 10 r1 sec. Temp.:260±5 Time:10±1 sec

G P á / Packaging SPEC.

2 & x / REEL

Package Type 7>û ˜ E	Units ;>û ¦H					Dimension ;>û p . (unit Æmm³)		
	Units/Reel / --	Reels/Inner Box -- /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Reel	Inner Box×	Outer Box1ç
TO-252	2,e/-252	2,e/-252	2,w [(		)-7.5((unit)]TJ /TT7	1	Tf -7.5001	-1.8343 TD.84