

Rev.A Aug.-2022

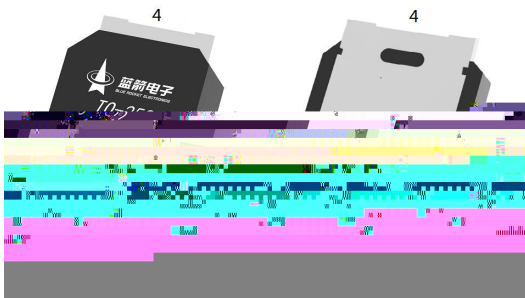
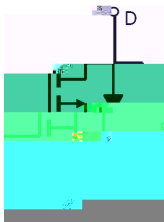
TO-252 P MOS
P-CHANNEL MOSFET in a TO-252 Plastic Package.

AEC-Q101

Low On-Resistance, fast switching, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

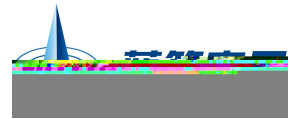
DC/DC

Power Management of Industrial DC/DC Converter, Meet the stringent requirements of automotive applications.

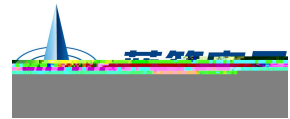


PIN 1 G PIN 2 D PIN 3 S PIN 4 D

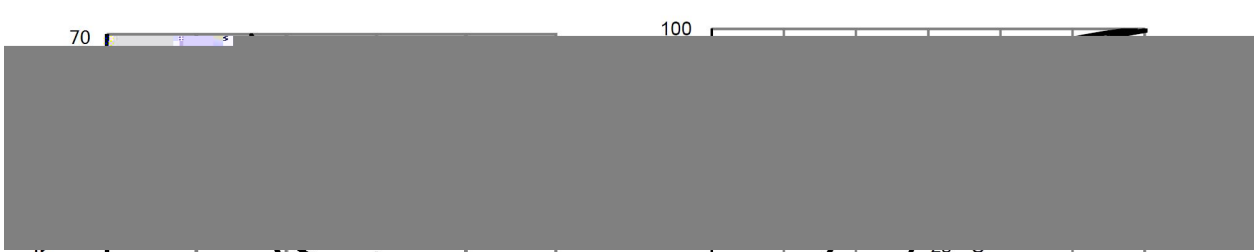
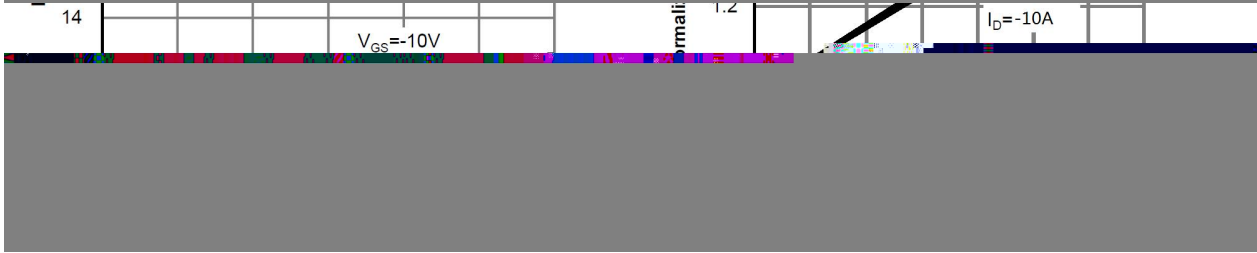
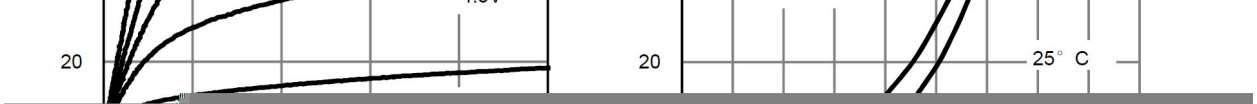
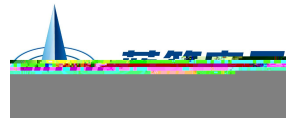
See Marking Instructions.



	Symbol	Rating	Unit
age	V_{DS}	-40	V
	$I_D(T_c=25^\circ C)$	-50	A
	I_{DM}	-128	A



Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	$V_{GS}=-10V$ $V_{DS}=-20V$ $R_L=1$ $R_{GEN}=3$		9.4		ns
Turn-On Rise Time	t_r			20		
Turn-Off Delay Time	$t_{d(off)}$			56		
Turn-Off Fall Time	t_f			32		



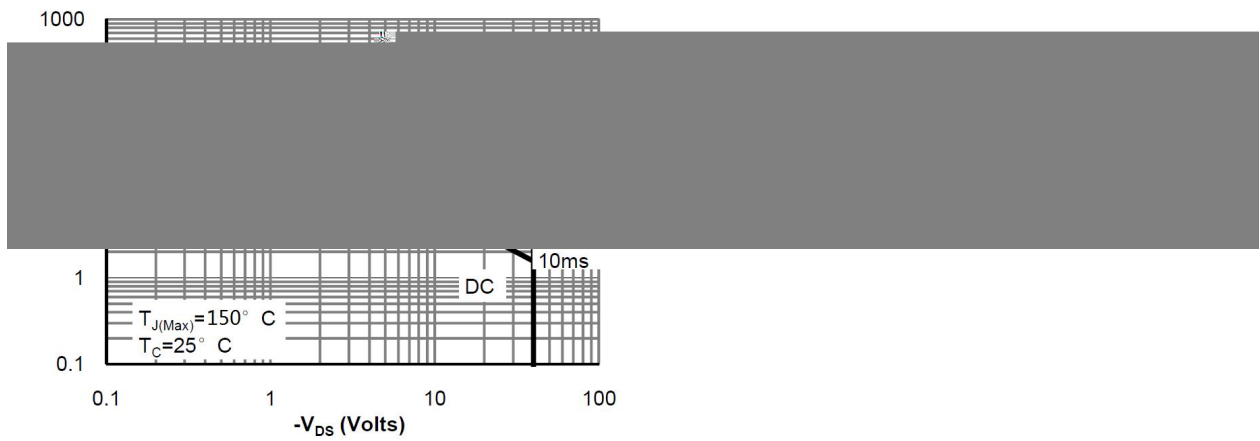
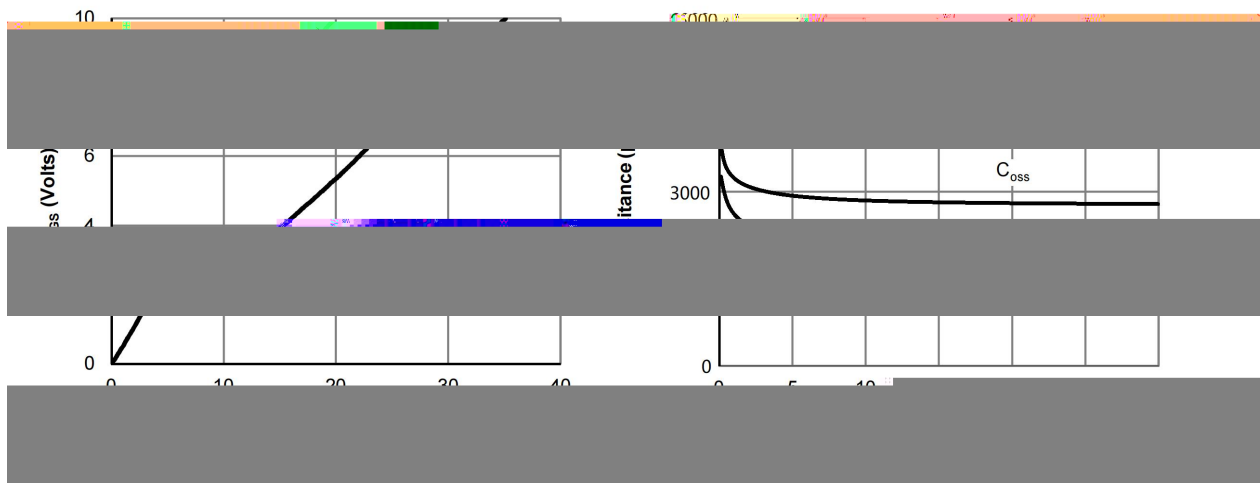
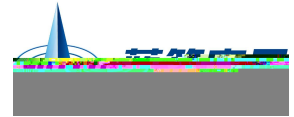
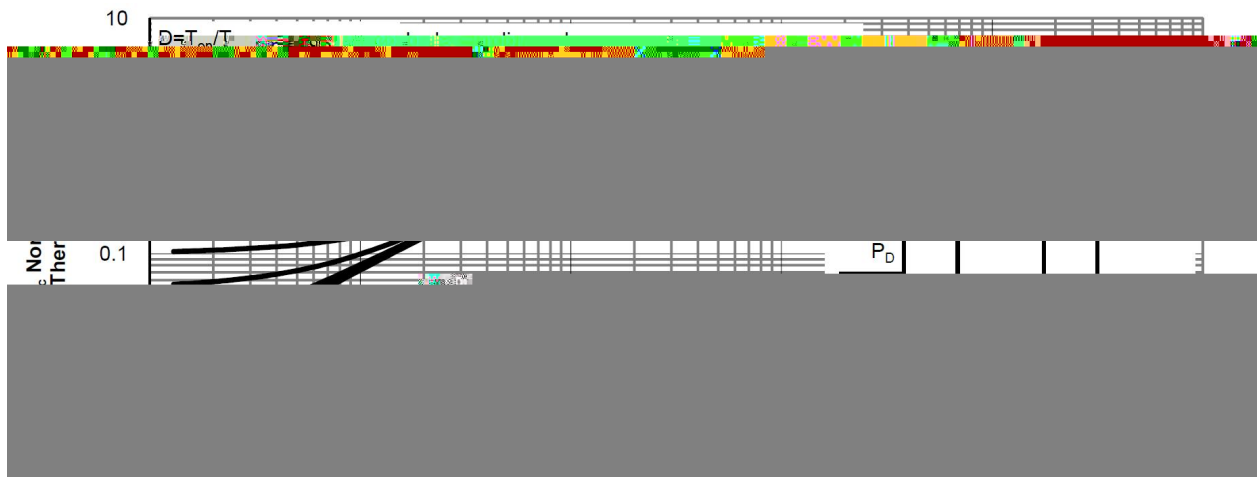
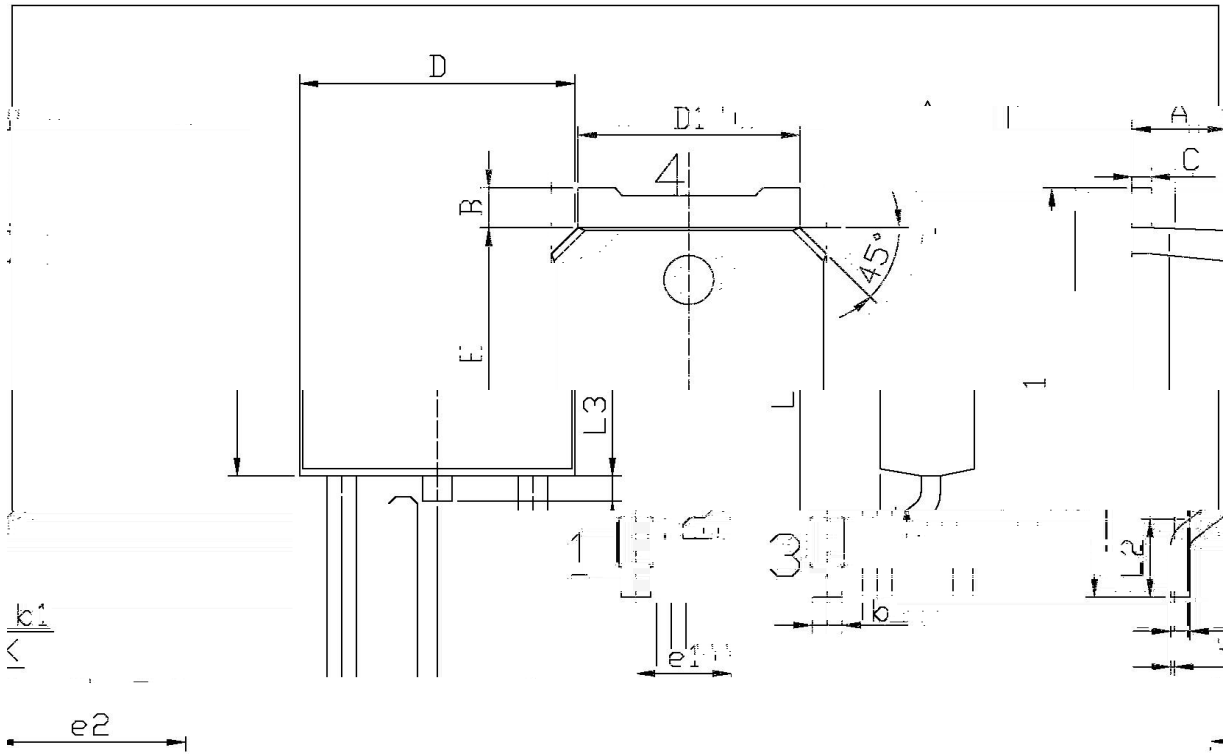
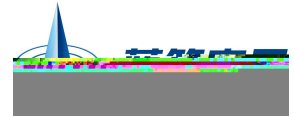


Figure 9: Maximum Forward Biased Safe Operating Area

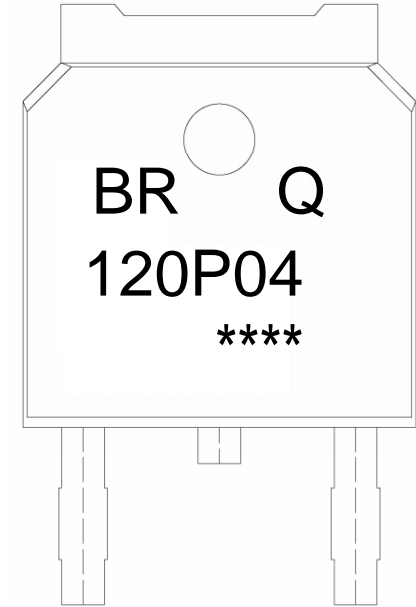
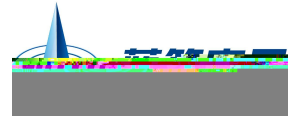




单位: mm

Dimension In Millimeters				Dimension In Millimeters			
Max	Symbol	Min		Max	Symbol	Min	
6.95		6.25		2.20		1.75	
e1		2.34		B		0.95	0.25
0.90	e2	4.75	4.43	b1		0.60	0.30
0.55	L1	9.85	10.35	b2		0.45	
1.70		2.00	0.45	0.55	L2		
0.75	L3	0.60	0.90	D		6.45	
0.01		0.05	0.05	0.00		0.50	

T0-252



BR

Q

120P04

Note:

BR: Company Code

Q: Automobile halogen-free product Code

120P04: Product Type

****: Lot No. Code, code change with Lot No

