TO-252 N

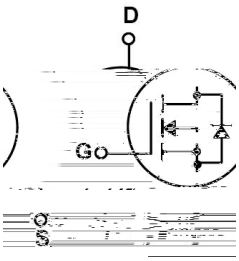
N-CHANNEL MOSFET in a TO-252 Plastic Package.

$R_{DS(on)}$ C_{rss} AEC-Q101

Low $R_{DS(on)}$,low gate charge, low C_{rss}, fast switching, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

DC/DC

Suited for low voltage applications such as automotive, DC/DC Converters, and high efficiency switching for power management in portable and battery operated products, Meet the stringent requirements of automotive applications.



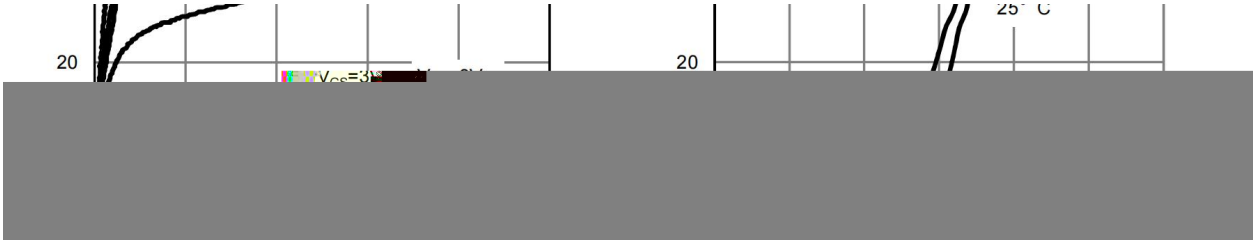


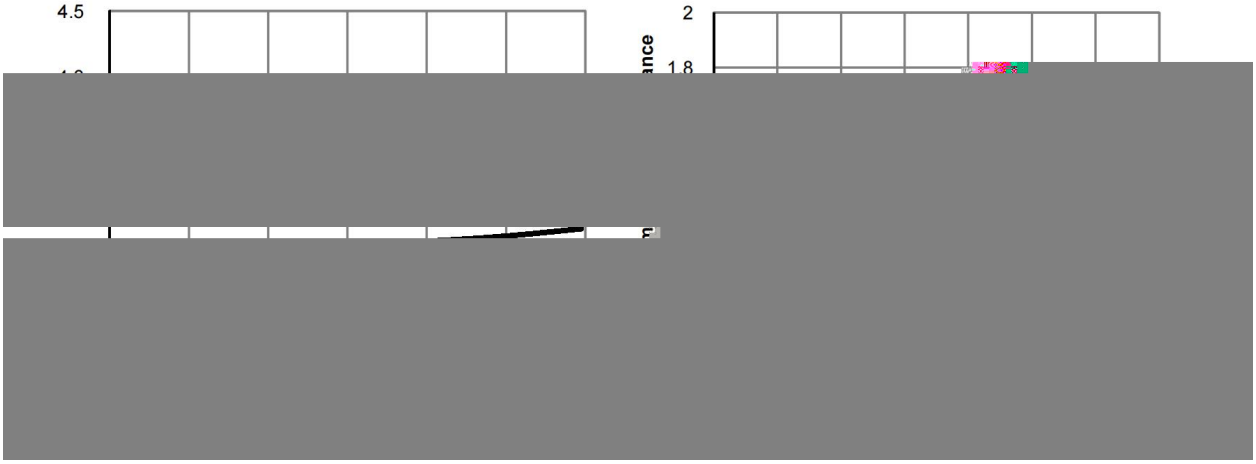
PIN1 G PIN 2 D PIN 3 S PIN 4 D

See Marking Instructions.

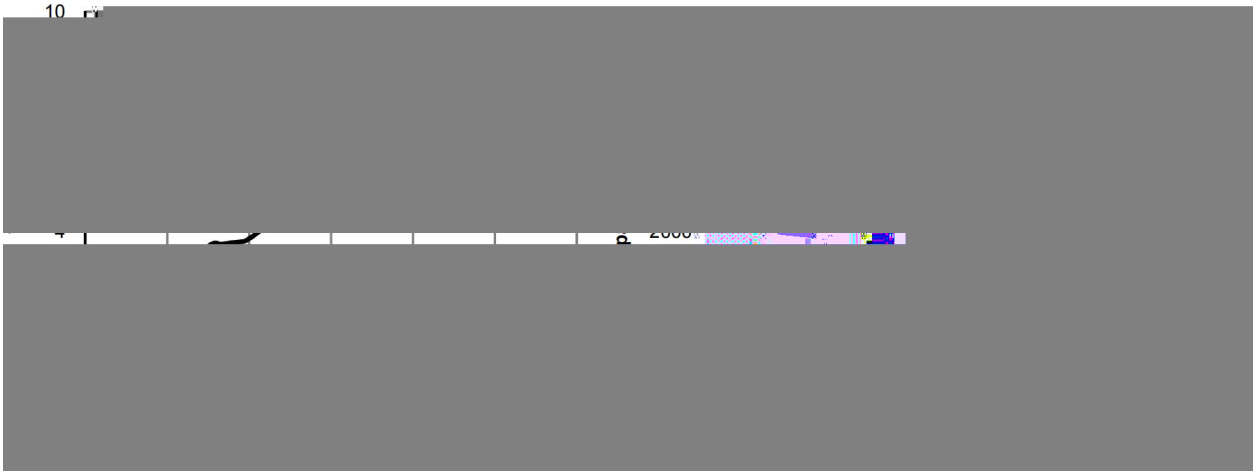
Parameter	Symbol	Rating	Unit

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	V_{GS}=10V V_{DS}=30V R_L=1.5Ω R_{GEN}=3Ω		13		ns
Turn-On Rise Time	t_r			4		
Turn-Off Delay Time	$t_{d(off)}$			47		
Turn-Off Fall Time	t_f			6.5		

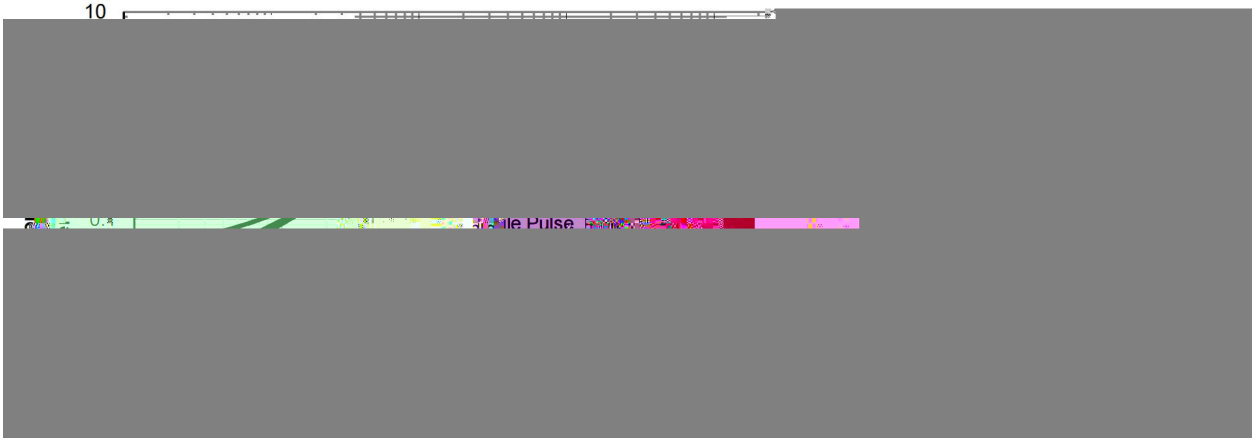

20
20
25° C

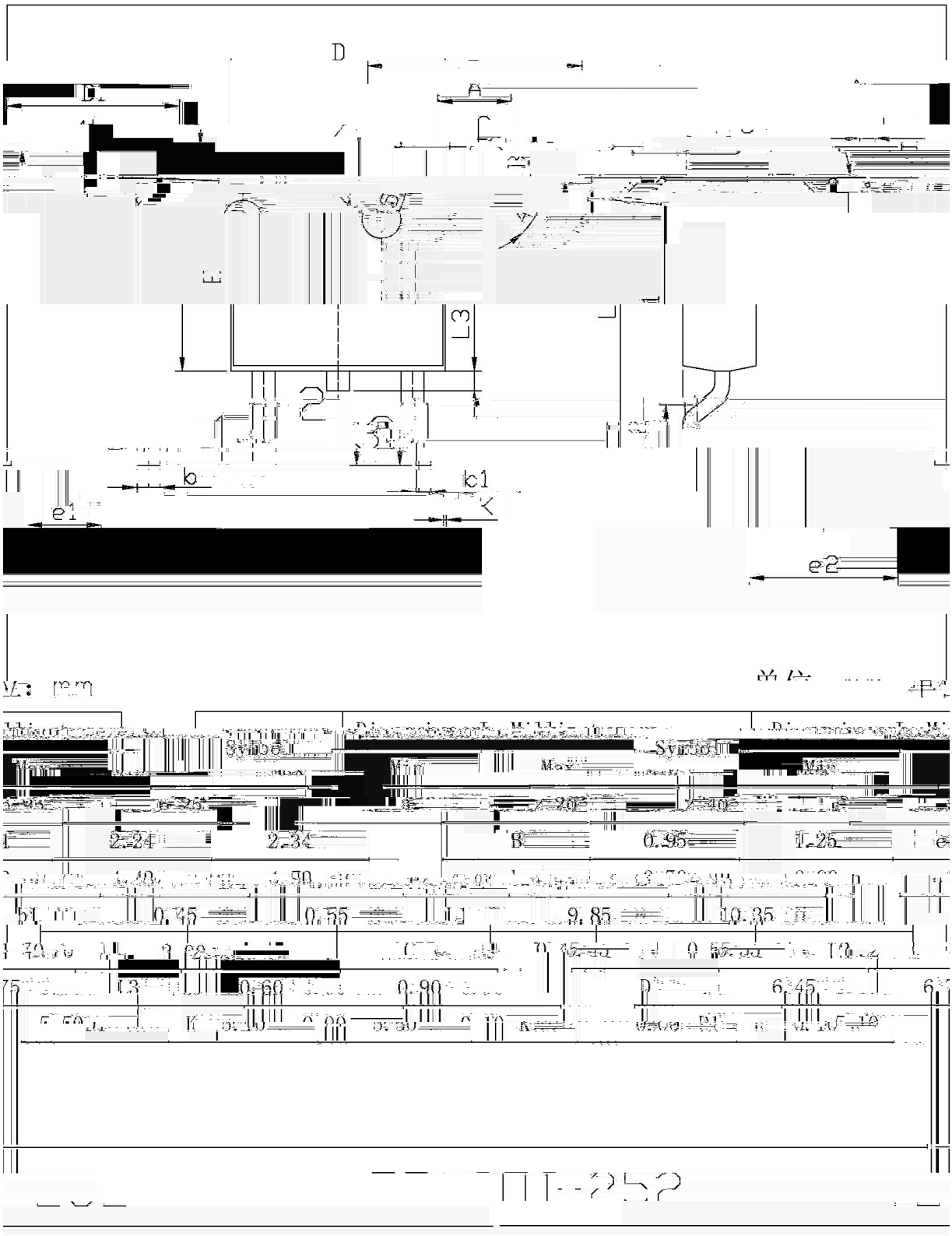

4.5
2
1.8


7
20A








D
L3
b
k1
e1
e2
Symbol
Min
Nom
Max
2.24
2.34
B
0.95
1.25
0.45
0.55
9.85
10.35
0.60
0.90
6.45

Temperature Profile for IR Reflow Soldering(Pb-Free)

.

Note:

1	150	200		60	120sec;	1.Preheating:150~200	, Time:60~120sec.
2	255±5				5±0.5sec;	2.Peak Temp.:255±5	, Duration:5±0.5sec.
3			2	10	/sec.	3. Cooling Speed: 2~10	/sec.

260±5 10±1 sec. Temp.:260±5 Time:10±1 sec

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm^3)		
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box 盒	Outer Box 箱
TO-252	2,500	2	5,000	6	30,000	13″ ×16	360×360×50	380×335×366