

5 é / Descriptions

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N-Channel Enhancement Mode Field Effect Transistor in a DFN1006-3L Plastic Package.

□ ª / Features

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Sensitive gate trigger current and Low Holding current.ESD protected up to 2KV,HF Product.

Đ ÷ / Applications

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/ T Z K T J K J L U X [Y K O T M K T K X G R V [X V U Y K Y] G Z V R O T G M Z G U J W N G Y K I U T Z

Ã W] Ô · / Equivalent Circuit

• Ů - æ / Pinning

Pin1:G Pin2:S Pin3:D

, M V / Marking

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See Marking Instructions.

@ f Parameter		... Z Symbol	f > Rating	% y Unit
Drain-Source Voltage		V _{DSS}	20	V
Gate-Source Voltage		V _{GSS}	r8	V
Drain Current – Continuous		I _D	0.75	A
Pulsed Drain Current		I _{DM}	1.8	A
Power Dissipation		P _D	0.9	W
Storage Temperature Range		T _{stg}	-55 to 150	-
Thermal resistance, junction - ambient	t 0 10s	R _{JA}	100	- /W
	Steady-State		140	

Electrical Characteristics(Ta=25℃ ;)

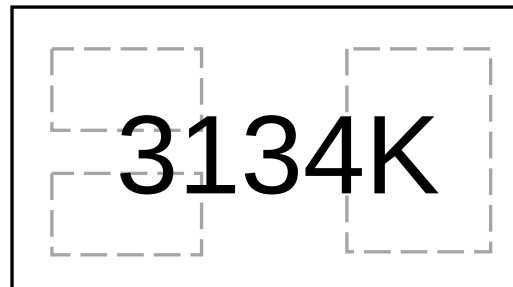
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Total Gate Charge	Q _g	V _{GS} =4.5V, V _{DS} =10V, I _D =0.4A		0.85		nC
Gate Source Charge	Q _{gs}			0.1		
Gate Drain Charge	Q _{gd}			0.25		
Turn-On Delay Time	t _{d(on)}	V _{GS} =4.5V V _{DS} =10V R _L =25 R _{GEN} =3		2		ns
Turn-On Rise Time	t _r			4		ns
Turn-Off Delay Time	t _{d(off)}			18		ns
Turn-Off Fall Time	t _f			8		ns

Ô ? d • Ž ¢ / Electrical Characteristic Curve

Ô ? d • Ž ¢ / Electrical Characteristic Curve

Ø □ =) ¢ / Package Dimensions

, M y f / Marking Instructions



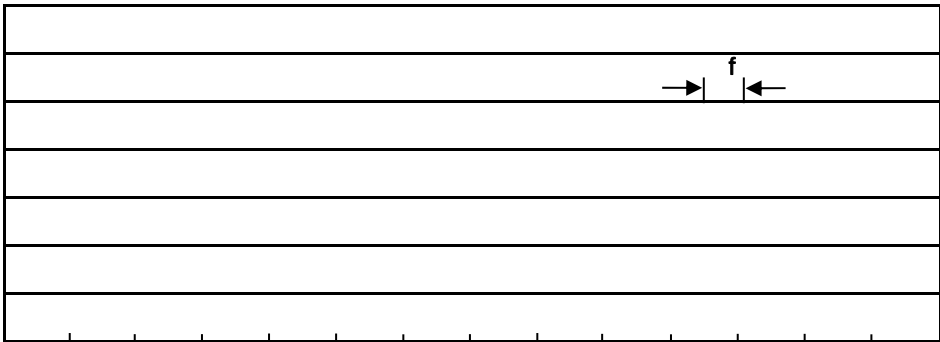
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3134K y ° Z W A

Note:

3134K: Product Type Code

ŠWD t...•Ž¢ (x/) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6



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- 1o• Ä ½ “ † 150 ½180 - k ž • 60 ½90sec;
- 2o• Q > “ † 245 r5 - k ž • 4 Ò 5 r0.5sec;
- 3o•D N ò i Ò 0 , † 2 ½10 - /sec.

Note:

- 1.Preheating:150~180 - , Time:60~90sec.
- 2.Peak Temp.:245 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 Boxç
DFN1006-3L	10,000	10	100,000	6	600,000	7 s ×8	180×120×180	390×385×205

„ Ð y f / Notices