



Analog IC /Discrete total solution provider

800V,900V N-CHANNEL SUPER-JUNCTION MOSFET

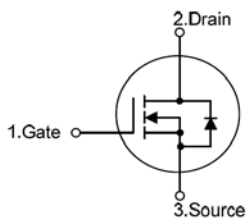
800V,900V N通道超結MOSFET

DESCRIPTION 介紹

UTC超結MOSFET結構，旨在具有更好的特性，如快速切換時間、低柵極電荷、低狀態電阻和高堅固性雪崩特徵。這種功率MOSFET通常用於電力應用的交流-直流轉換器。

FEATURES 特性

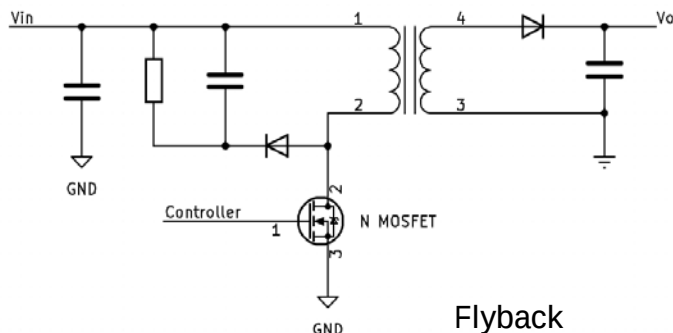
- ◆ Low RDS(ON)
- ◆ High Switching Speed
- ◆ 100% Avalanche Tested



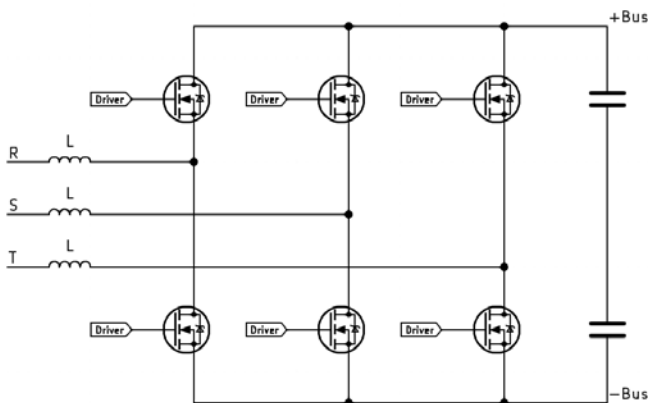
Applications 應用

- ◆ 電源適配器
- ◆ 個人電腦電源供應器
- ◆ 液晶電視
- ◆ 照明應用
- ◆ 工業逆變器
- ◆ 太陽能逆變器
- ◆ 三相拓撲
- ◆ 電動汽車充電應用

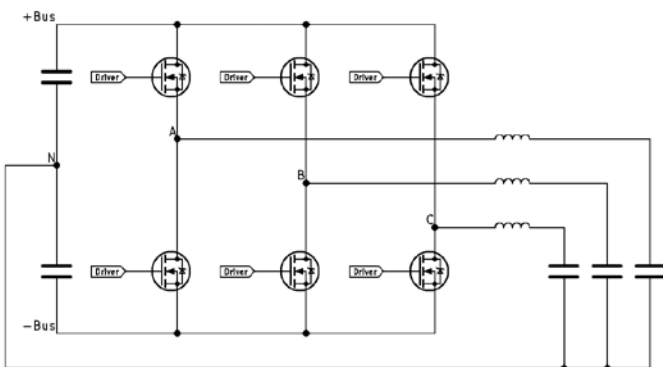
Application Information 應用資訊



Flyback



3 Phase Boost Converter



3 Phase Inverter



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Applications 應用

◆電源適配器



◆個人電腦電源供應器



◆照明應用



◆液晶電視



◆太陽能逆變器



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◆三相拓撲



◆工業逆變器





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Product List

PartNo.	Configuration	VDSS (V)	VGS (±V)	ID (A)	RDS(ON) MAX.(Ω) atVGS=10V	VGS(th) (V) MIN.	VGS(th) (V) MAX.	CISS TYP. (pF)	COSS TYP. (pF)	CRSS TYP. (pF)	Package
1NM80-Q	single	800	±30	1	4.3	2.5	4.5	125	20	2.3	TO-251 SOT-223-2
2NM80-Q	single	800	±30	2	3.8	2.5	4.5	150	23	2.5	TO-251 SOT-223-2
3NM80-Q	single	800	±30	3	3	2.5	4.5	200	29	2.7	TO-251 SOT-223-2
4NM80-Q	single	800	±30	4	2.3	2.5	4.5	242	35	2.6	TO-251 SOT-223-2
5NM80-Q	single	800	±30	5	1.5	2.5	4.5	330	50	3	TO-251 SOT-223-2
6NM80-Q	single	800	±30	6	1.25	2.5	4.5	460	290	26	TO-252 TO-220F TO-251NS2
7NM80-Q	single	800	±30	7	1.1	2.5	4.5	505	427	28	TO-252 TO-220F1
8NM80-Q	single	800	±30	8	0.75	2.5	4.5	760	465	41	TO-252 TO-220F1 DFN8080-4
20NM80-Q	single	800	±30	20	0.35	2.5	4.5	1310	161	4.8	TO-220F1 DFN8080-4
24NM80-Q	single	800	±30	24	0.23	2.5	4.5	1880	235	4.5	TO-220F1 TO-247 TO-263 DFN8080-4
30NM80-Q	single	800	±30	30	0.19	2.5	4.5	2465.9	2043.6	102	TO-220F1 TO-220F2 TO-263 DFN8080-4
4NM90Z-Q	single	900	±20	4	3.1	2.5	4.5	286	30	2.5	SOT-223-2
30Nm90-Q	single	900	±30	30	0.3	2.5	4.5	2600	140	1.8	TO-220 TO-220F TO-220F1 TO-220F2 TO-247 TO-263 DFN8080-4
50NM90-Q	single	900	±30	50	0.13	2.5	4.5	4665	502	8	TO-247