

PN8036 PFM 650V MOSFET  
 PN8036 650V  
 PN8036 EMI

650V MOSFET

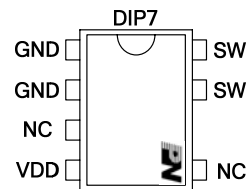
12V

6W@230VAC

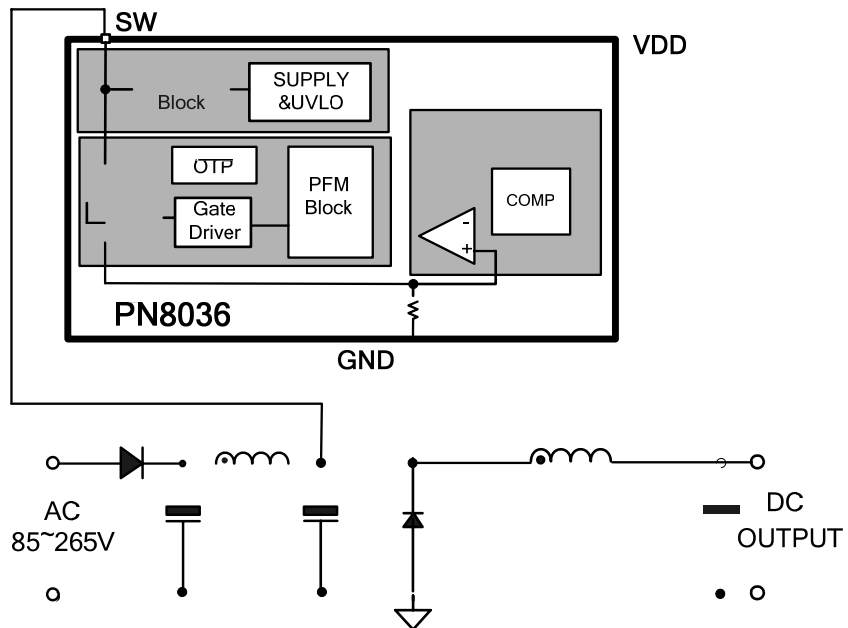
EMI

± OLP  
 ± OTP  
 ± UVLO

/



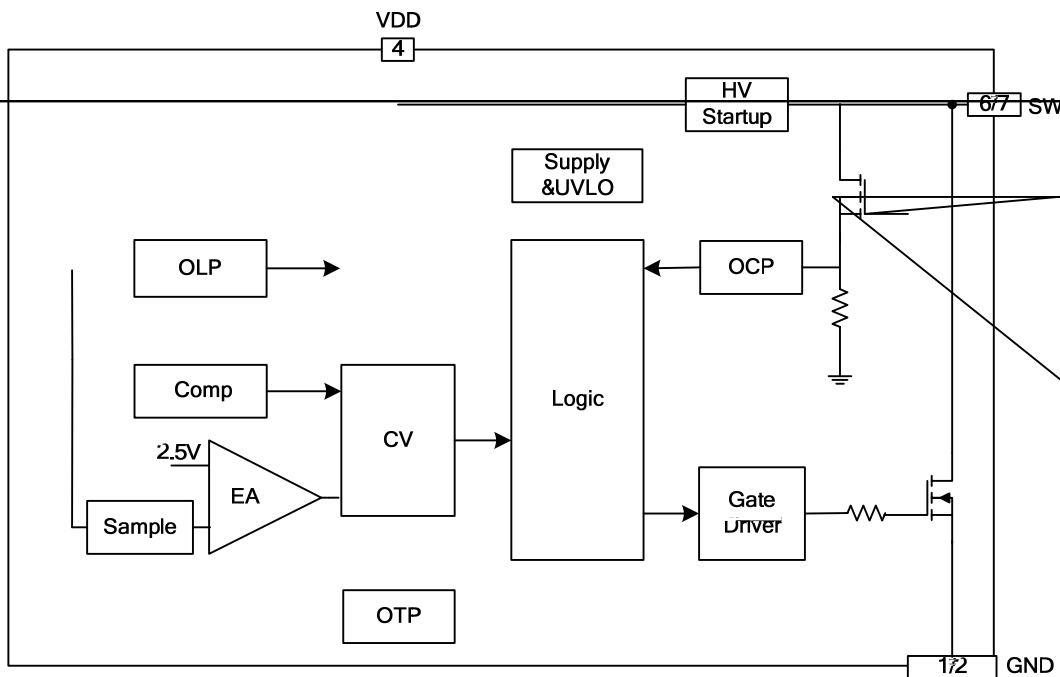
PN8036NSC-T1	DIP-7



GND	1,2	
NC	3	
VDD	4	
NC	5	( SW )
SW	6,7	MOSFET

		(1)	(2)
PN8036	150-265 V <sub>AC</sub>	6W(12V500mA)	8.4W(12V700mA)
	85-265 V <sub>AC</sub>	4.8W(12V400mA)	7.2W(12V600mA)

1. 75°C (Buck/Buck-boost ) 2
2. 75°C (Buck/Buck-boost ) 1min



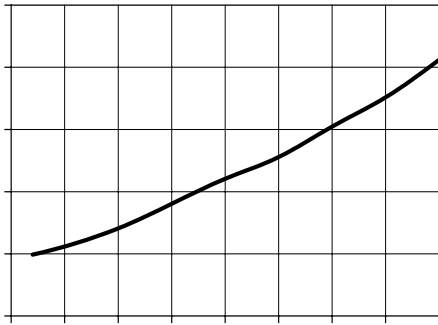
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VDD	.....-0.3~40V	DIP-7	.....40 /W
SW	..... -0.3~650V	ESD	<sup>(1)</sup> HBM ..... ±6kV
	.....-40~150	ESD	<sup>(2)</sup> .....8kV
	.....-55~150	T <sub>pulse</sub> =100us	......5A
	10 .....260		
1.	ESD	(ESDA/JEDEC JDS-001-2014)	
2.			

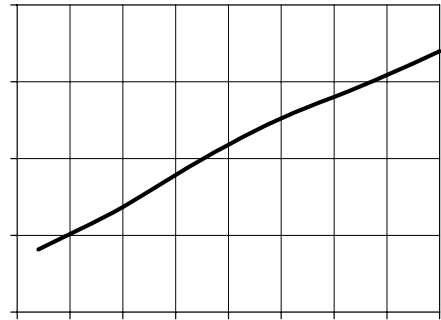
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(T<sub>A</sub> = 25°C, V<sub>DD</sub> = 11 V, )

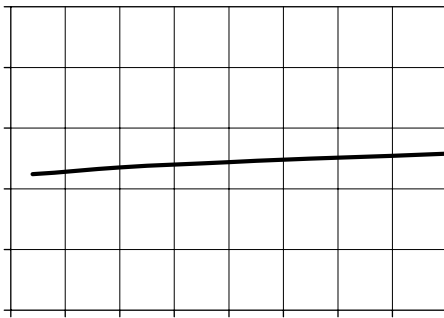




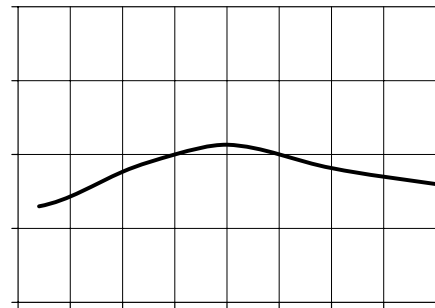
(a)  $R_{DS(on)}$  vs  $T_j$



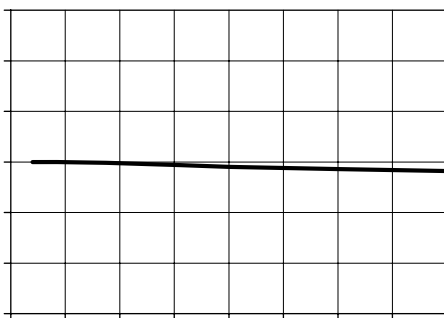
(b)  $BV_{DSS}$  vs  $T_j$



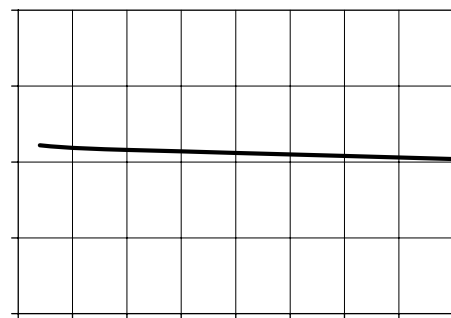
(c)  $V_{REF}$  vs  $T_j$



(d)  $T_{offmin}$  vs  $T_j$

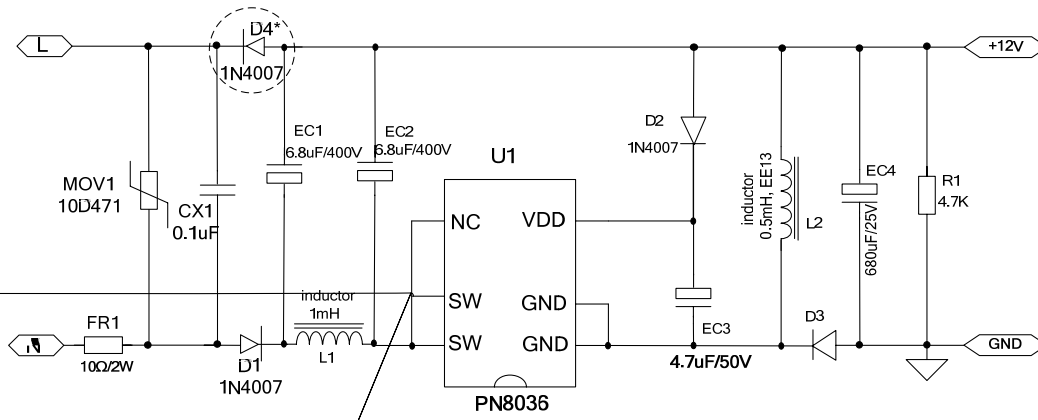


(e)  $V_{DD(on)}$  vs  $T_j$

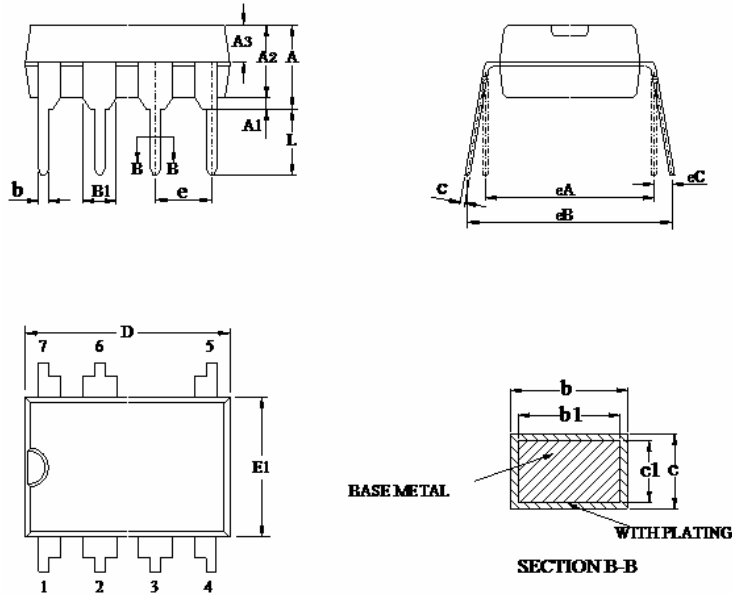


(f)  $V_{DD(off)}$  vs  $T_j$

PN8036



DIP-7



	(mm)	(mm)	(mm)		(mm)	(mm)	(mm)
A	3.60	3.80	4.00	c1	0.24	0.25	0.26
A1	0.51	-	-	D	9.05	9.25	9.45
A2	3.00	3.30	3.40	E1	6.15	6.35	6.55

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