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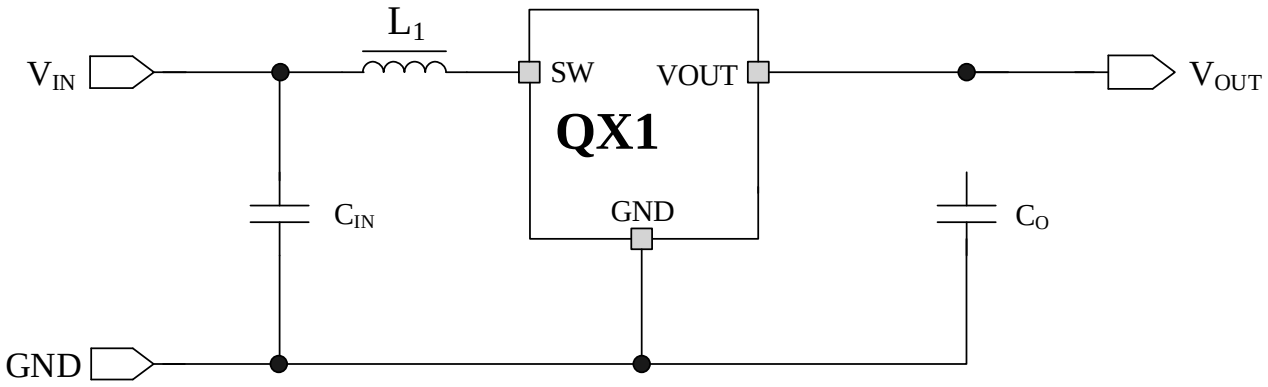
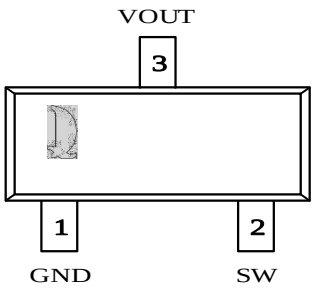
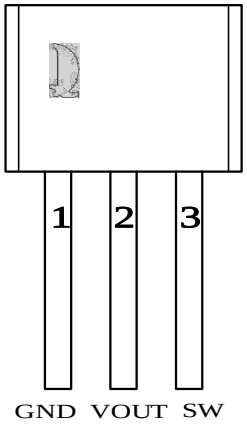




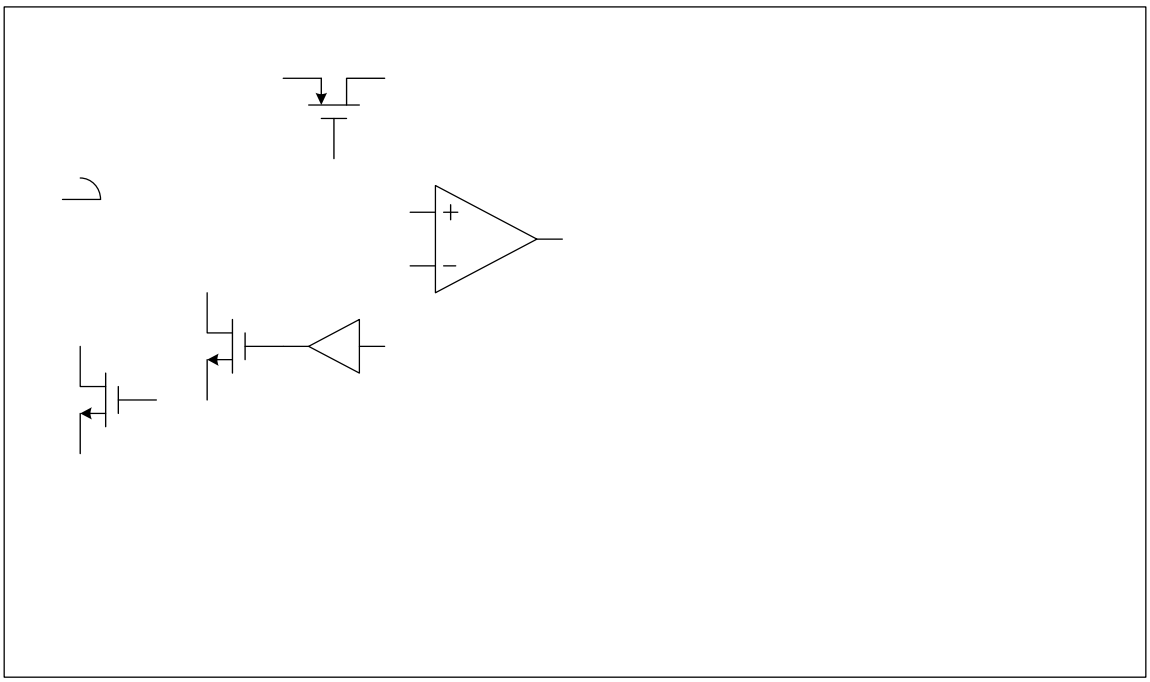
QX2340LXXT
(SOT23)



QX2340LXXTO
(TO92)

SOT23	**TO-92**		
2	3	SW	
3	2	VOUT	
1	1	GND	

طي



ˆ 1˜

					β
	-ıı				
	V_{MAX}	V_{OUT} ˇ V_{SW}		7	V
	I_{SW_MAX}	SW		600	mA
ˇ	P_{TO92}	TO92 ˇ		0.75	W
	P_{SOT23}	SOT23 ˇ		0.3	W
	T_A	شم	-20	85	ºC
	T_{STG}	شم	-40	120	ºC
	T_{SD1}	ˆ 30 ˜	230	240	ºC
ESD	V_{HBM}	HBM		2000	V

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			نجى		β
L_1		1	4.7	10	uH
C_O		4.7	10	100	uF
T_J		-40		125	ºC

C_{IN} =10uF C_{OUT} =22uF L_1 =3.3uH T_A =25°C

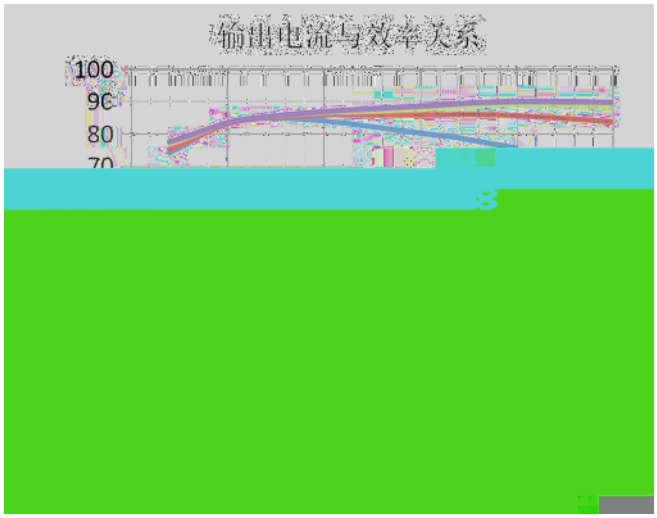
	V_{IN_MAX}				V_{OUT}	V
	V_{START}	V_{OUT} =2.8V, I_{LOAD}=1mA V_{IN} 0V 2V		0.65		V
		V_{OUT} =2.8V, I_{LOAD}=1mA V_{IN} 0V 2V		0.95		V
	V_{HOLD}	V_{OUT} =2.8V, I_{LOAD}=1mA V_{IN} 2V 0V		0.3		V
		V_{OUT} =2.8V, I_{LOAD}=1mA V_{IN} 2V 0V		0.6		V
	V_{OUT}	V_{IN} =1.5V I_{LOAD} =10mA	-2.5		2.5	%
	I_{IN0}	V_{IN} =1.8V V_{OUT} =2.8V		10		uA
VOUT	I_{OUT0}	VOUT V_{OUT} +0.5V		6		uA
	η			90	95	%

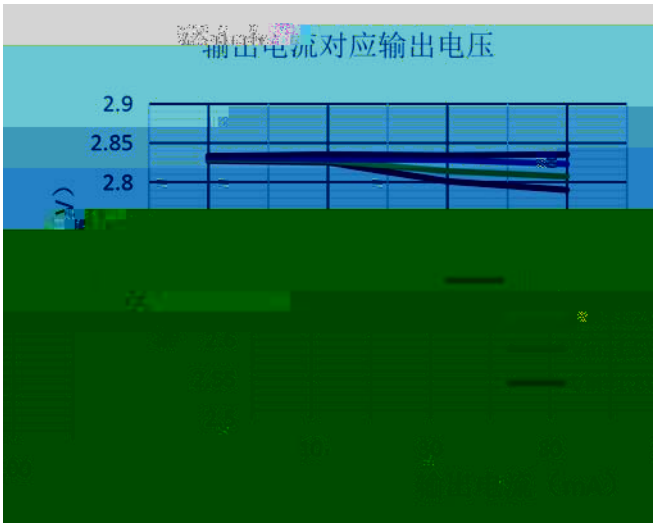
( )

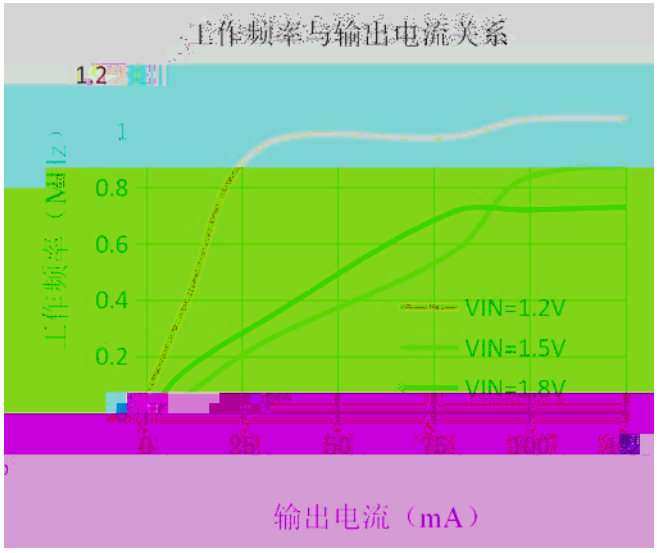
C_{IN} =10uF C_{OUT} =22uF L_1 =3.3uH T_A =25°C

	F_{MAX}			1		MHz
	D_{OSC}			85		%
	$R_{DS(ON)\_LS}$			0.1		Ω
	$R_{DS(ON)\_HS}$			0.5		Ω

C_{IN} =10uF C_{OUT} =22uF L_1 =3.3uH T_A =25°C









QX2340 ɣ ầ ầ
PFM Ƨ هج Â

QX2340
ˇ ầ
2.8V ɣ هى Â
ˇ
ầ ầ Ŀ ầ ầ
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± 2.5% Â

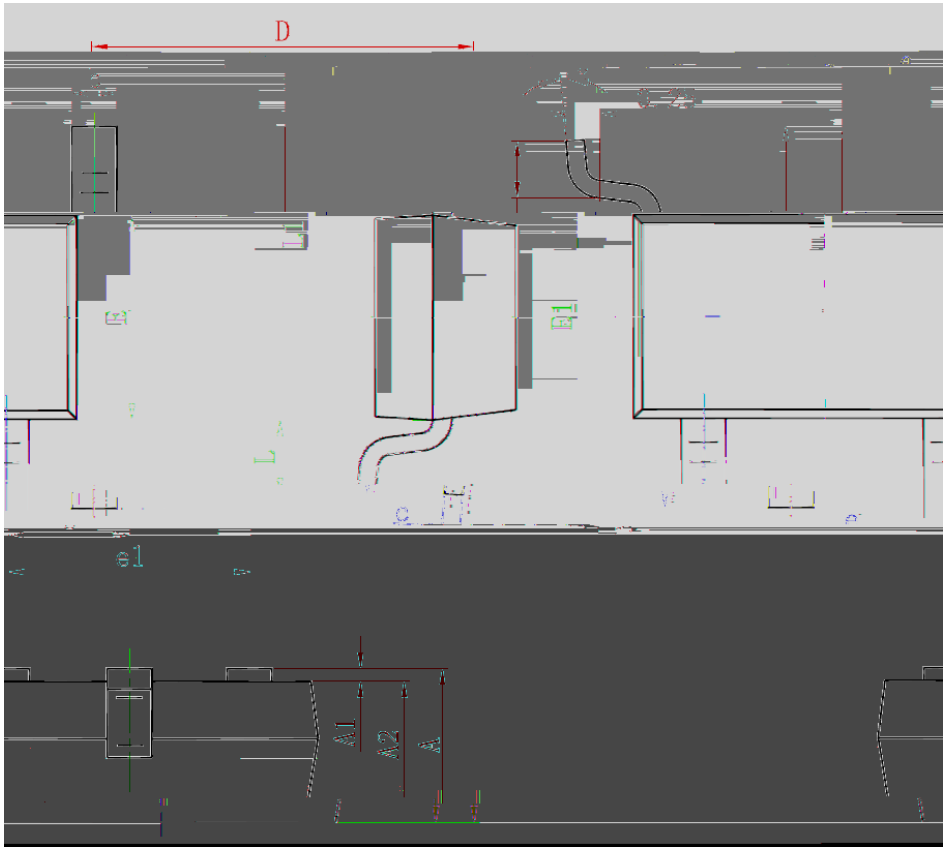
Й ˊ
خي هج
L_{MIN} ˊ

$$L_{MIN} \quad \frac{D * 1 - D^{2} * R_{LOAD}}{2 * F_{S}} \qquad (1)$$

D ч ˊ

Â

SOT23 طي



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min.	Max.	Min.	Max.
A	0.900	1.150	0.035	0.045
A1	0.000	0.100	0.000	0.004
A2	0.900	1.050	0.035	0.041
b	0.300	0.500	0.012	0.020
c	0.080	0.150	0.003	0.006
D	2.800	3.000	0.110	0.118
E	1.200	1.400	0.047	0.055
0.100	E1	2.250	2.550	0.089
0.071	0.079	e1	1.800	2.000
0.300	0.500	0.012	0.020	L1
0°	8°	0°	8°	θ

