PFM DC-DC

ME2188

PFM DC-DC PFM

93%

0.9V @IOUT=1mA

7uA

320KHz

1.9V~5.0V

DC-DC

±2%

300mA

1~2

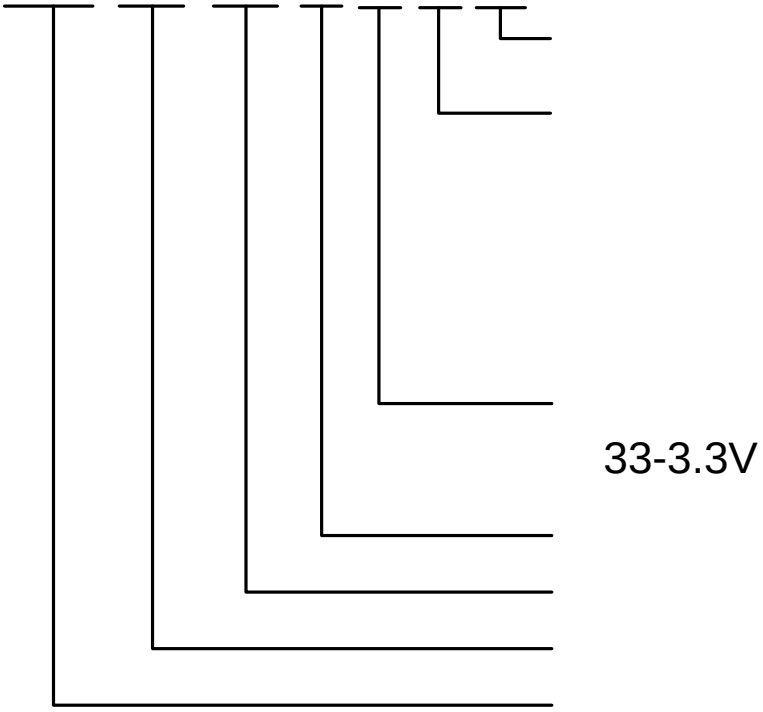
LED LED

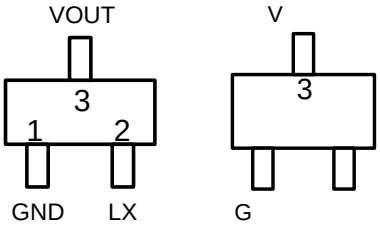
VCR PDA

5-pin SOT23-5

3-pin SOT23 SOT23-3 SOT89-3 TO92

1.




VOUT
3
1
2
GND
LX
V
3
G

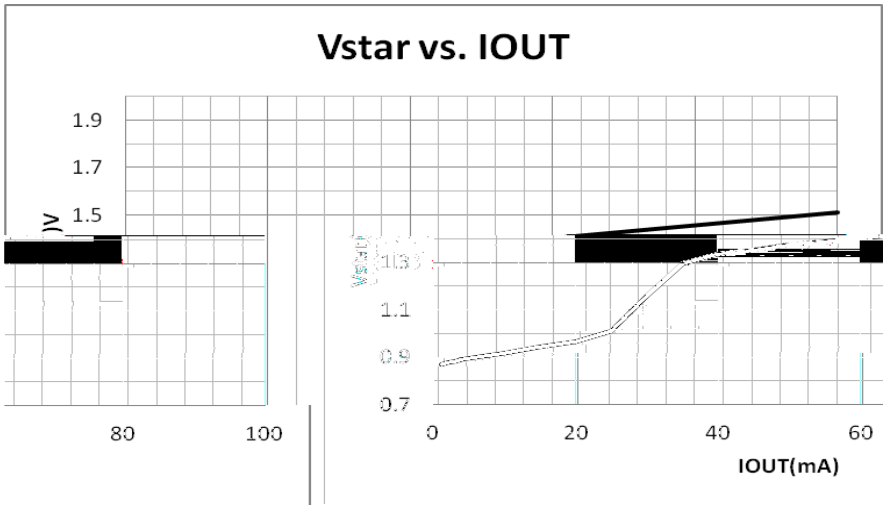
CE		VCE	-0.3~6	V
LX		LX	-0.3~6	V
LX		ILXmax	1000	mA
VOUT		VOUT	-0.3~6	V
		TOPR	-40 125	ºC
		TSTG	-50 150	ºC
		TL	260	ºC
	SOT23	PD	250	mW
	SOT23-3/5		300	
	SOT89-3		500	
	TO92		750	

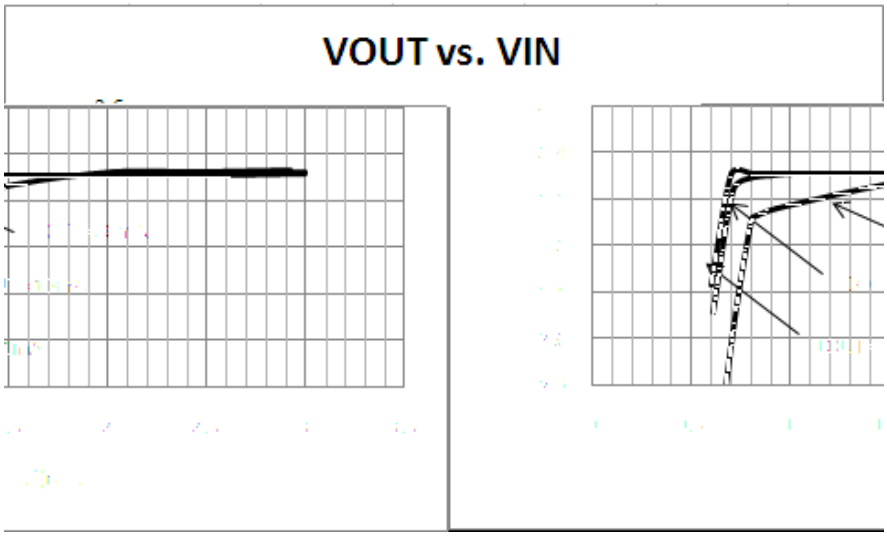
ME2188

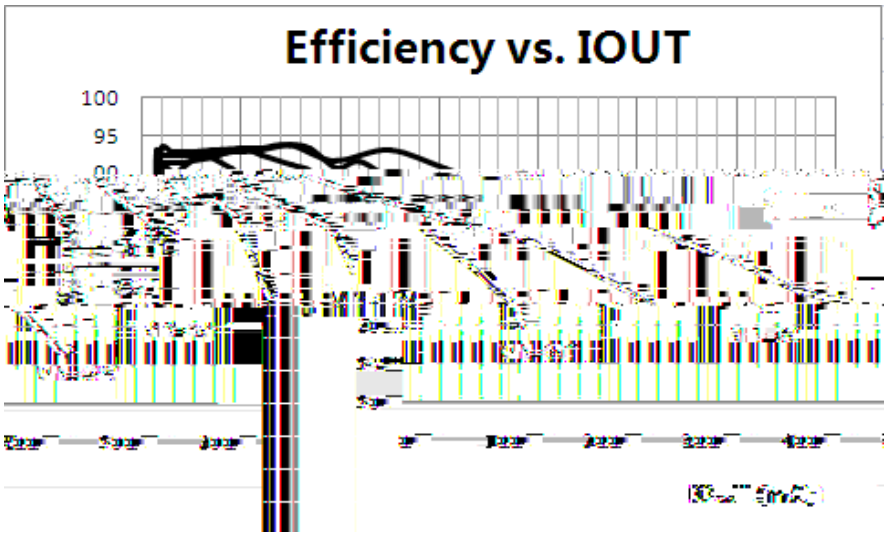
(TA = 25 ºC, VIN =VEN=2V, VOUT=3.3V,L=22uH,CIN=10uF COUT=100uF)

1	Vstart1	I		0.9	1.1	V
2	Vstart2	ILOAD=10		1.0	1.2	V
	Vhold		0.5			V
	Vinmax		0.9		5	V
	Vout		-2		+2	%
		VIN=Vout×0.4~×0.6, IOUT=10mA		5	20	mV
		IOUT=0-100mA,VIN=2V		20	30	mV
	ISS	VOUT=VOUT+0.5		7.5	10	uA
	ISS0	VCE=0V		0	0.1	uA
	Ilimit		800	1000	1200	mA
	Iin0	VIN=1.5V ,VOUT=2.2V		10		uA
				93	96	%
				320		KHz
	DCosc			74		%
EN				0.7		V
EN					0.2	V

L=22uH,CIN=10uF COUT=100uF TA = 25 ºC







ME2188

4

47uF

10mA ESR

ESR ESR

LX

LX I_{LXMAX}

PCBLayout

VOUT

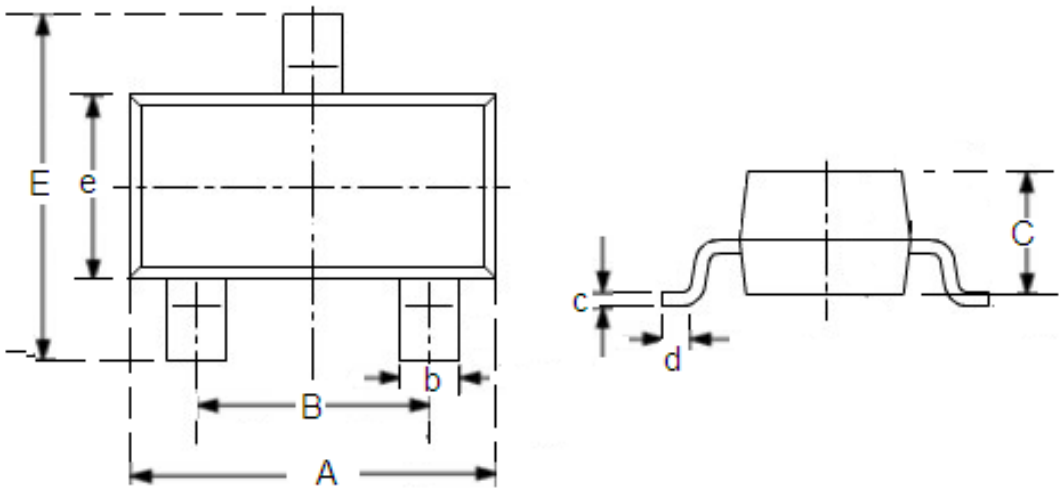
VOUT GND 0.1µF GND

: SOT89-3



	(mm)		**ch)**

: SOT23-3



	(mm)		(Inch)	
A	2.7	3.1	0.1063	

