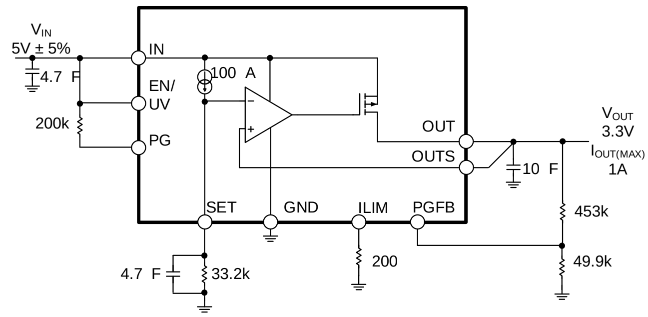
共模
GONGMO

PSRR

GM12051



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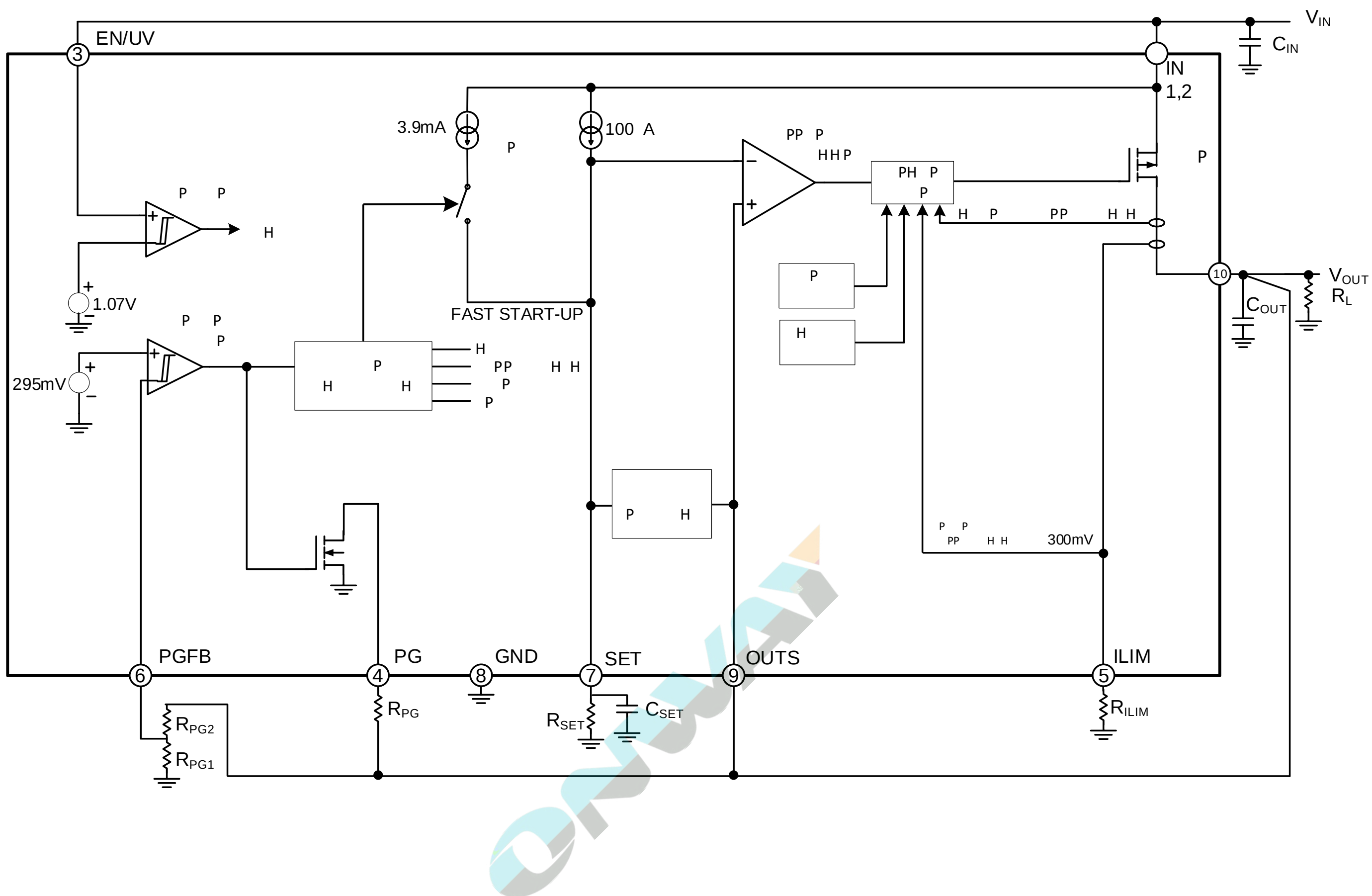
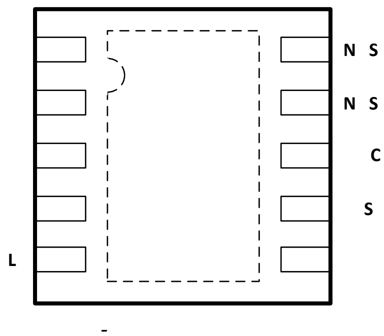
GM12051



EN/UV
3
V_{IN}
C_{IN}
IN
1,2
3.9mA
100 A
1.07V
295mV
FAST START-UP
300mV
PGFB
PG
GND
SET
OUTS
ILIM
6
4
8
7
9
5
10
V_{OUT}
C_{OUT}
R_L
R_{PG}
R_{PG2}
R_{PG1}
R_{SET}
C_{SET}
R_{ILIM}

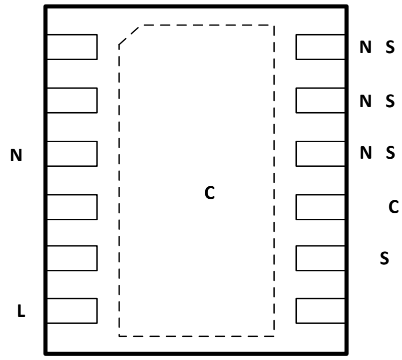
GM12051



D	, -	BH , - +0, D /)2 A

@I P . P G

4C1'3]H +4N



.)

DI	, -	BH , - +0, DI /)2 A
D	.	BH , - +0, (, BH , - +0, (, D A= BH , - +0, (, PO D KNMM
@I P	/	P G BH , - +0, @I P , @I P DI @I P BI P G @I P ,)+2 , ++ BH , - +0, (, @I P @I P DI @I P
KB	0	KB KB A= - 40 KB KB
DGDH	1	DGDH BI F d BH , - +0, (, BI - 23 f DGDH + . ++ DGDH BI
KB A=	2	KB A= - 40 - + KB PO KB A= BI +)- 40 , MKB- MKB, KB A= KB A= DI
N@O	3	BH , - +0, (, N@O , ++ N@O BI BH , - +0, (, N@O 8 DN@O MN@O , , 0 N@O BI KNMM N@O
BI	4 , .	BI K = BI
PON	, +	PON N@O BI BI
PO	, , , -	@NM 0+ @NG - i C , + A

GM12051

H HH H	

GM12051

H H H

H H H

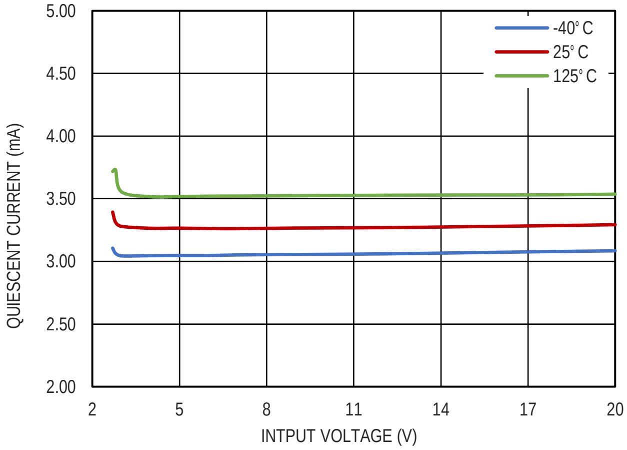
/) N@O kd

0) N@O kd

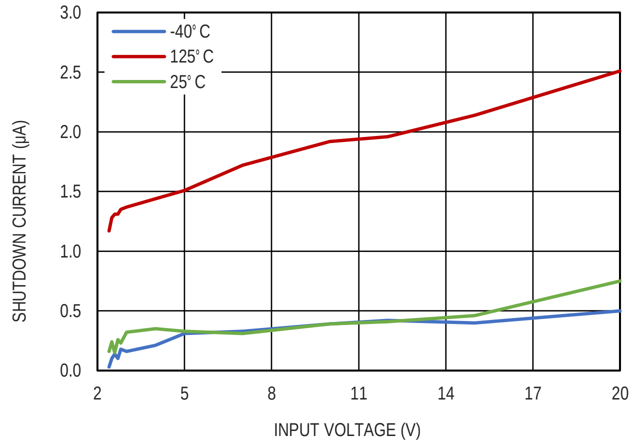
1) PO(N@O PO8 ,)3

2) PO(N@O

3) N@O kd



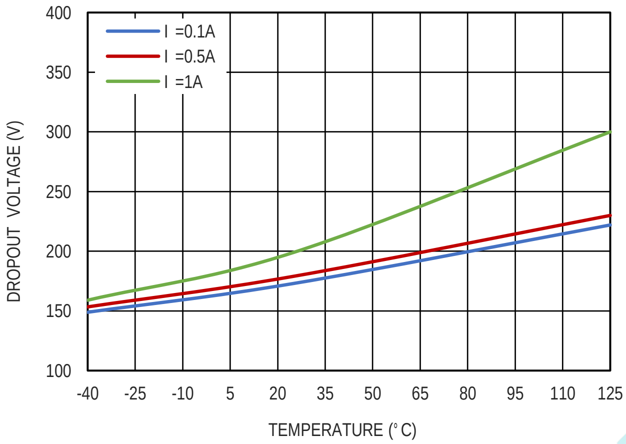
QUIESCENT CURRENT (mA)
5.00
4.50
4.00
3.50
3.00
2.50
2.00
2
5
8
11
14
17
20
INTPUT VOLTAGE (V)
-40° C
25° C
125° C



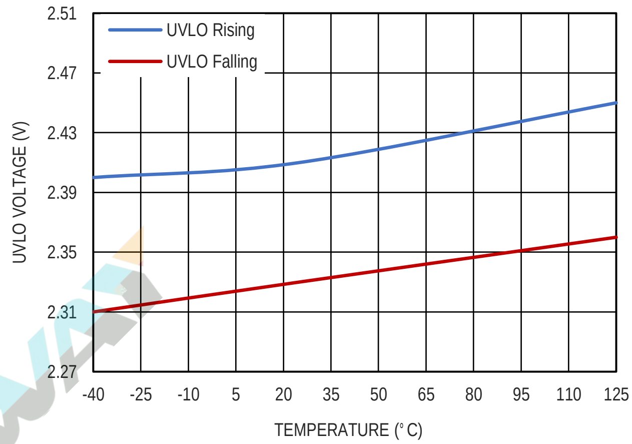
SHUTDOWN CURRENT (μA)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2
5
8
11
14
17
20
INPUT VOLTAGE (V)
-40° C
125° C
25° C

, +) DPO8 , +

, ,)



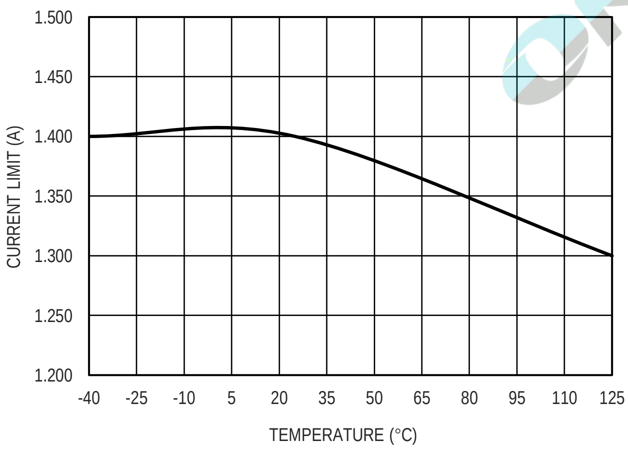
DROPOUT VOLTAGE (V)
400
350
300
250
200
150
100
-40
-25
-10
5
20
35
50
65
80
95
110
125
TEMPERATURE (° C)
I =0.1A
I =0.5A
I =1A



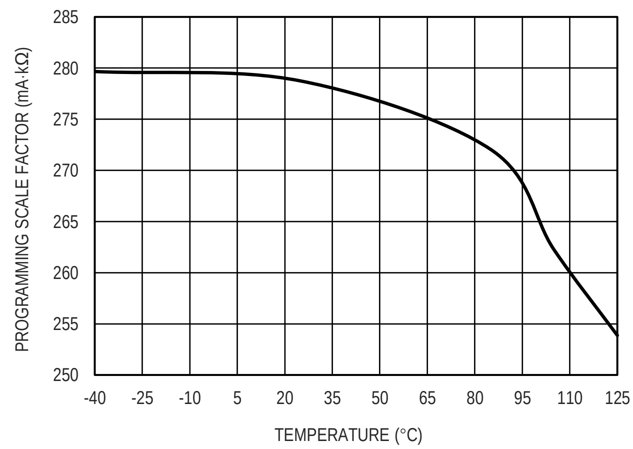
UVLO VOLTAGE (V)
2.51
2.47
2.43
2.39
2.35
2.31
2.27
-40
-25
-10
5
20
35
50
65
80
95
110
125
TEMPERATURE (° C)
UVLO Rising
UVLO Falling

, -) PO8.)+

, .) P G



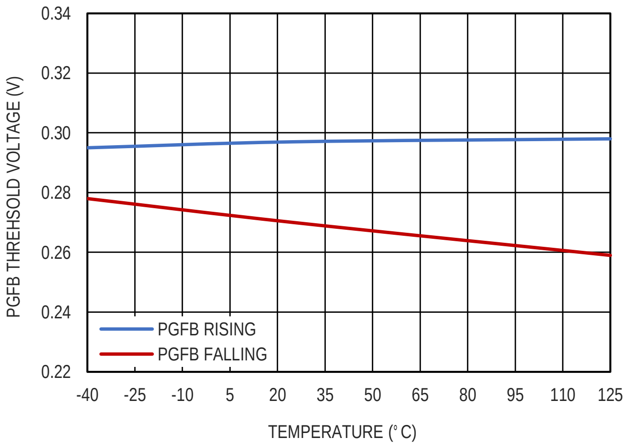
CURRENT LIMIT (A)
1.500
1.450
1.400
1.350
1.300
1.250
1.200
-40
-25
-10
5
20
35
50
65
80
95
110
125
TEMPERATURE (°C)



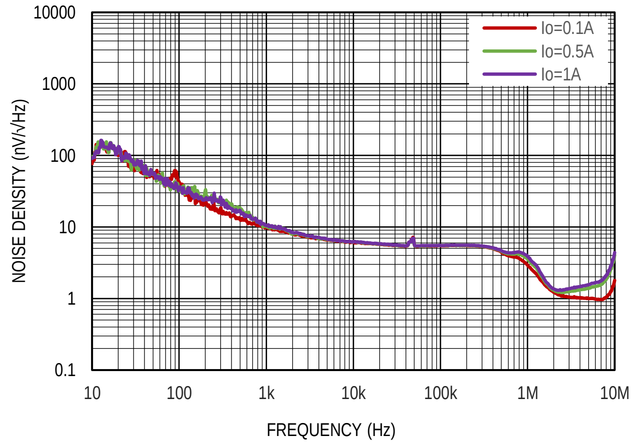
PROGRAMMING SCALE FACTOR (mA·kΩ)
285
280
275
270
265
260
255
250
-40
-25
-10
5
20
35
50
65
80
95
110
125
TEMPERATURE (°C)

, /)

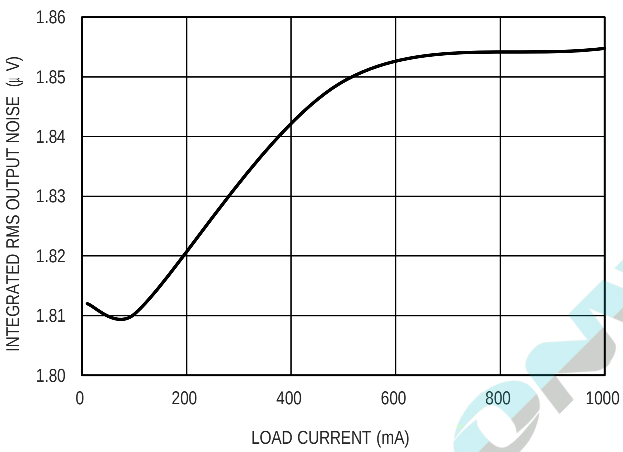
, 0)



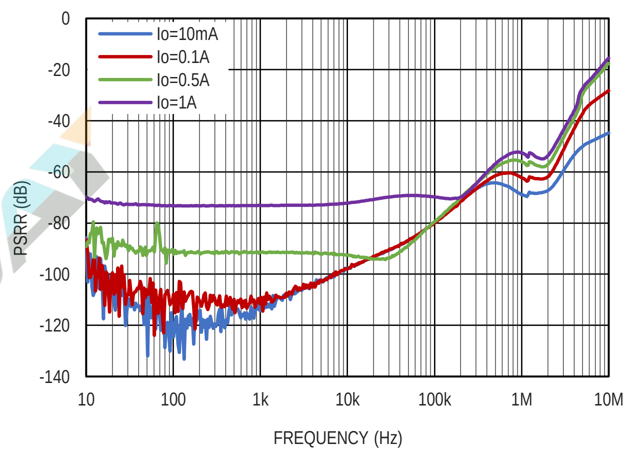
, 1) KBA= kd



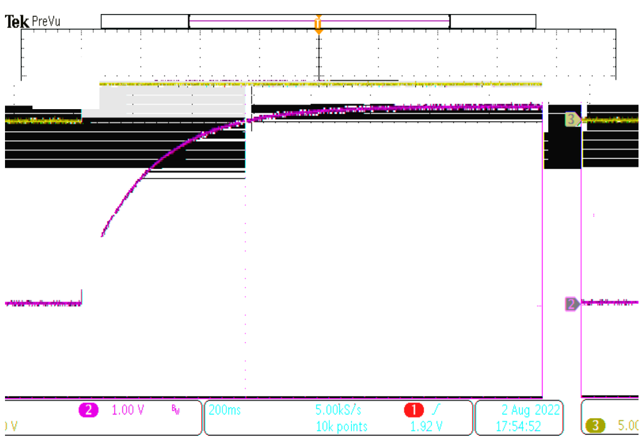
, 2) п 8 0 PO8 .).



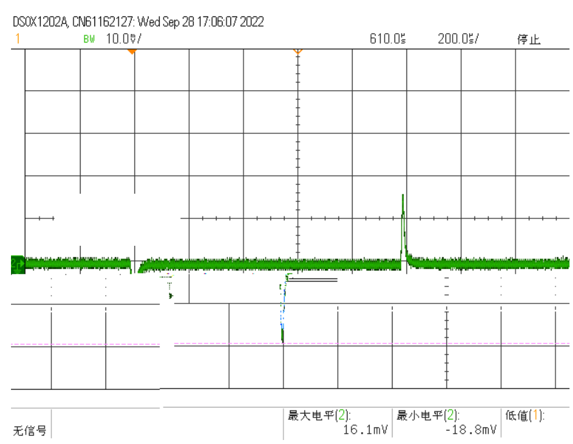
, 3) MH N п 8 0 PO8 .).



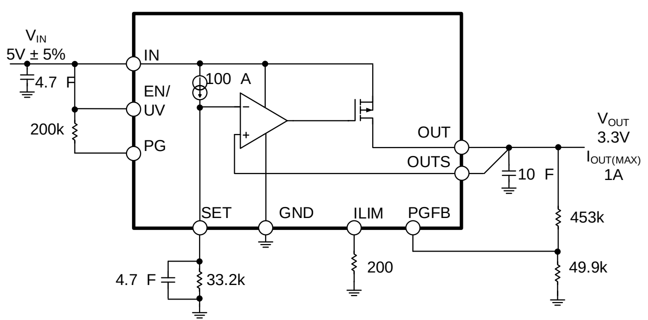
, 4) п 8 0 PO8 .).



- +) п 8 /). PO8 .). D PO8 ,



- ,) п 8 /). PO8 .). D PO8 , o
,


V_IN
5V ± 5%
4.7 F
200k
IN
EN/
UV
PG
100 A
OUT
OUTS
SET
GND
ILIM
PGFB
V_OUT
3.3V
I_OUT(MAX)
1A
10 F
453k
49.9k
200
4.7 F
33.2k

- -

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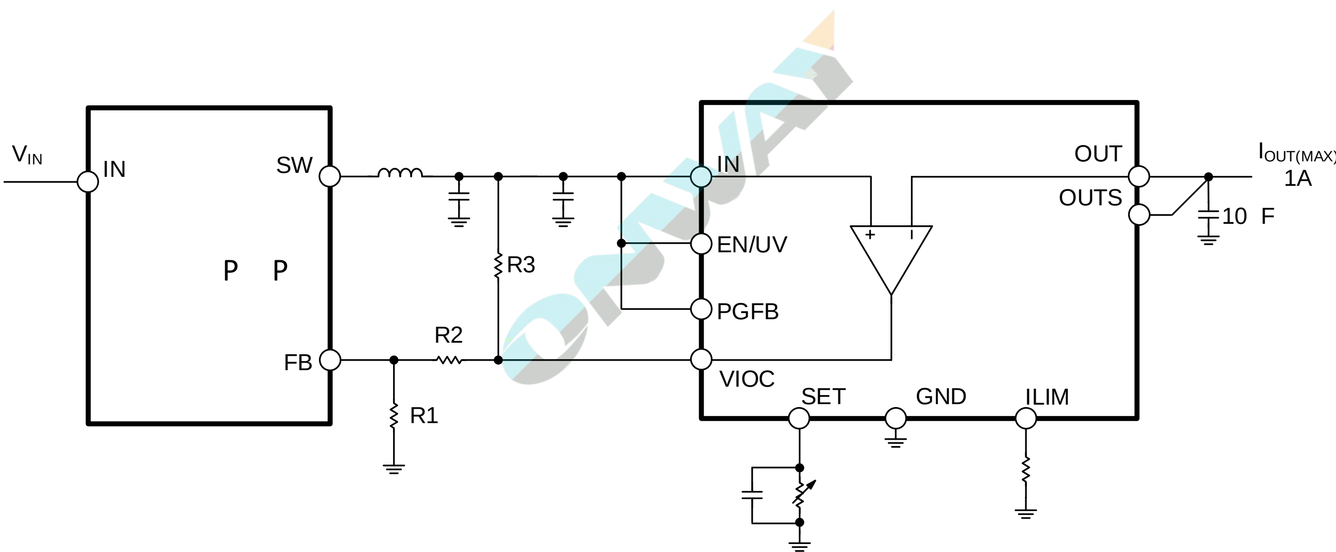
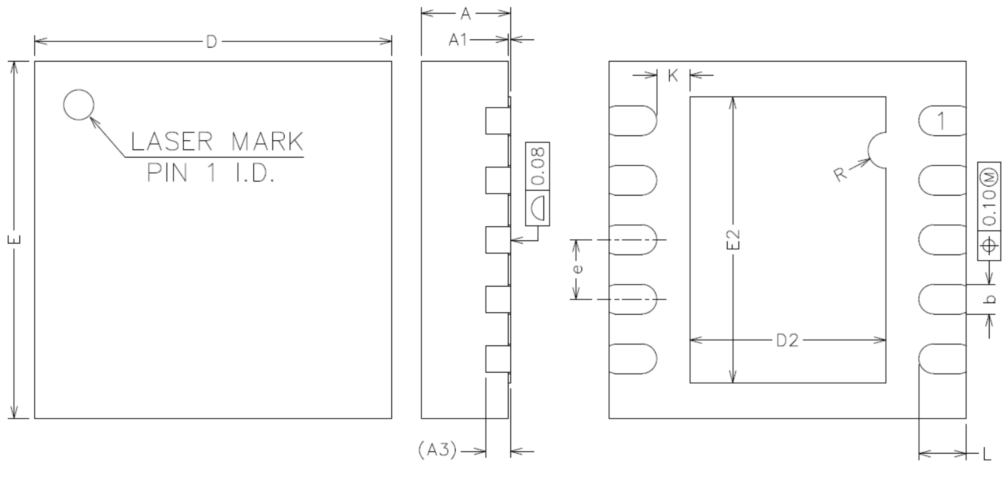
Ω Ω



VIN
IN
SW
P P
FB
R1
R2
R3
IN
EN/UV
PGFB
VIOC
SET
GND
ILIM
OUT
OUTS
IOUT(MAX)
1A
10 F

- .) D

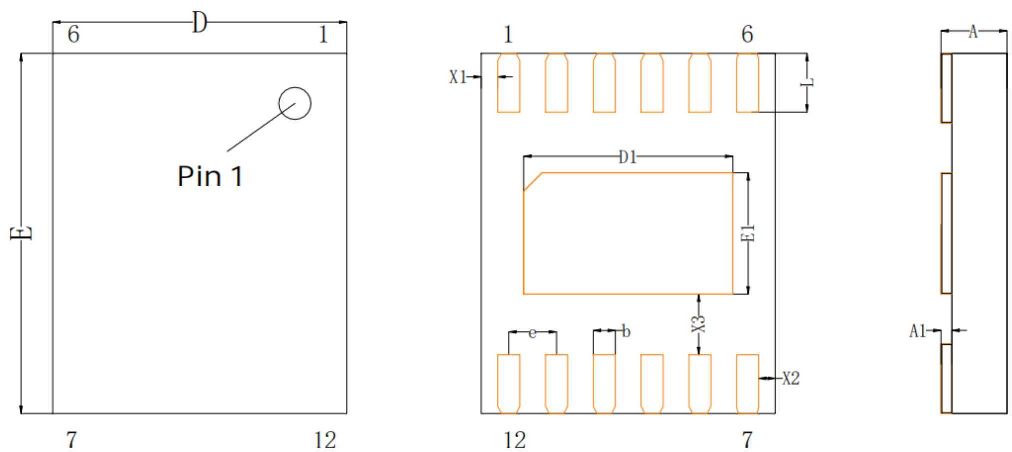


- /) AI . s.

COMMON DIMENSIONS
(UNITS OF MEASURE=MILLIMETER)

SYMBOL	MIN	NOM	MAX
A	0.70	0.75	0.80
A1	0.00	0.02	0.05
A3		0.20REF	
b	0.20	0.25	0.30
D	2.90	3.00	3.10
E	2.90	3.00	3.10
D2	1.60	1.65	1.80
E2	2.30	2.40	2.50
e	0.45	0.50	0.55
K	0.175	0.275	0.375
L	0.30	0.40	0.50
R		0.15REF	

Package Top View Package Bottom View Package Side View



- 0) AI , - / s/)4 H N K(, -

SYMBOLS	DIMENSION IN MM		
	MIN	NOM	MAX
A	0.700	0.750	0.800
A1	[illegible]	0.030	[illegible]
Side Cu	[illegible]	0.075	[illegible]
D	3.900	4.000	4.100
E	4.800	4.900	5.000
D1	2.795	2.845	2.895
E1	1.601	1.651	1.701
b	0.250	0.300	0.350
e	0.600	0.650	0.700
L	0.750	0.800	0.850
X1	0.175	0.225	0.275
X2	0.175	0.225	0.275
X3	0.775	0.825	0.875

P			
P			