

绝对最大额定值 (Ta=25℃)

Parameter	Symbol	Rating	Unit
Input voltage	V_I	15	V
Thermal Resistance Junction-case	$R_{\theta JC}$	8	/W
Storage temperature range	T_{stg}	-40 ~ 150	

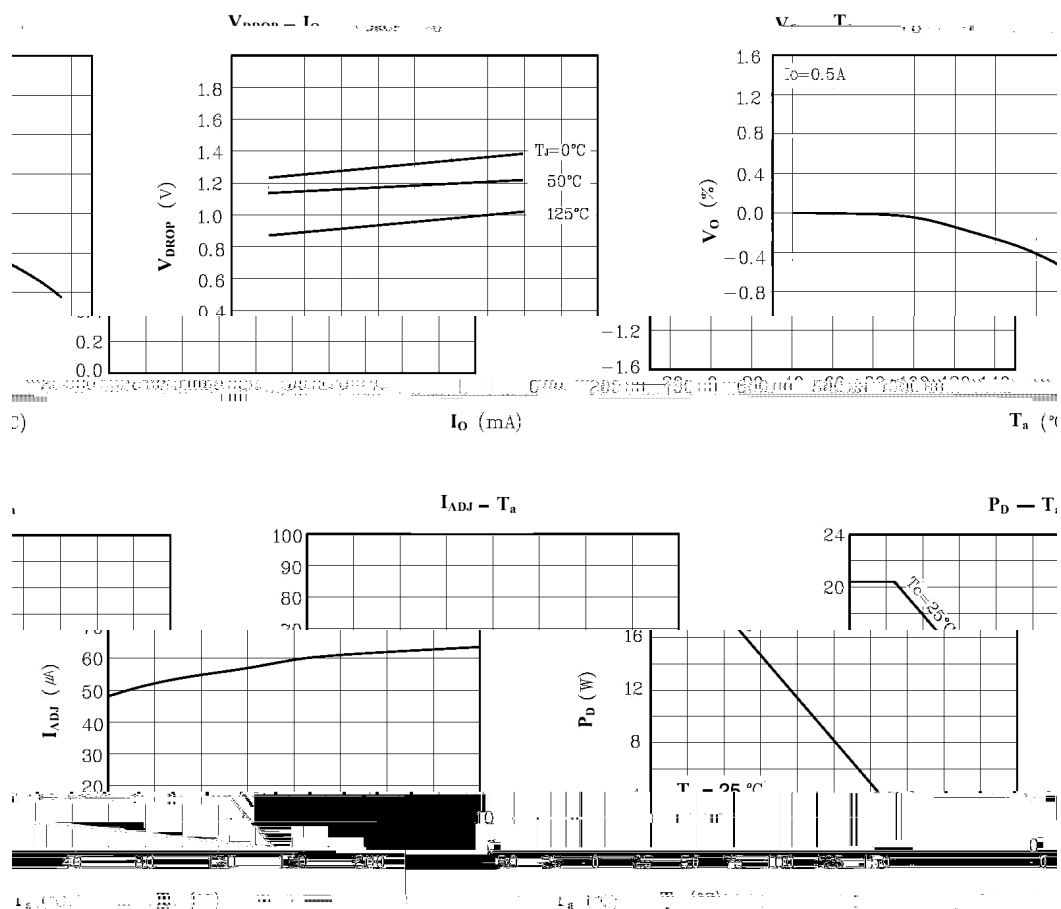
电 气 特 性 (Ta=25℃)

Parameter	Symbol	Type	Test Conditions	Min	Typ	Max	Unit
Reference Voltage	V_{ref}	BRLD1117DQ- Adj	$V_{in}-V_o=2V$ $T_j=25^\circ C$ $I_o=10mA$	1.225	1.25	1.275	V
			$10mA \leq I_o \leq 800mA$ $1.4V \leq (V_{in}-V_o) \leq 10V$	1.225	1.25	1.275	
Output Voltage	V_o	BRLD1117DQ-1.2	$V_{in}=3.2V$ $T_j=25^\circ C$ $I_o=10mA$	1.176	1.2	1.224	V
			$10mA \leq I_o \leq 800mA$, $3V \leq V_{in} \leq 8V$	1.176	1.2	1.224	
		BRLD1117DQ-1.8	$V_{in}=3.8V$ $T_j=25^\circ C$ $I_o=10mA$	1.764	1.8	1.836	V
			$0 \leq I_o \leq 800mA$, $3.3V \leq V_{in} \leq 8V$	1.764	1.8	1.836	
		BRLD1117DQ-2.5	$V_{in}=4.5V$ $T_j=25^\circ C$ $I_o=10mA$	2.45	2.5	2.55	V
			$0 \leq I_o \leq 800mA$, $3.9V \leq V_{in} \leq 10V$	2.45	2.5	2.55	
		BRLD1117DQ-3.3	$V_{in}=5.3V$ $T_j=25^\circ C$ $I_o=10mA$	3.234	3.3	3.366	V
			$0 \leq I_o \leq 800mA$, $4.75V \leq V_{in} \leq 10V$	3.234	3.3	3.366	
		BRLD1117DQ-5.0	$V_{in}=7V$ $T_j=25^\circ C$ $I_o=10mA$	4.9	5	5.1	V
			$0 \leq I_o \leq 800mA$, $6.5V \leq V_{in} \leq 15V$	4.9	5	5.1	
Load Regulation	V_o	BRLD1117DQ-Adj	$V_{in}-V_o=3V$ $10mA \leq I_o \leq 800mA$			30	mV
		BRLD1117DQ-1.2	$V_{in}=3V$ $10mA \leq I_o \leq 800mA$			30	mV
		BRLD1117DQ-1.8	$V_{in}=3.3V$ $0mA \leq I_o \leq 800mA$			30	mV
		BRLD1117DQ-2.5	$V_{in}=3.9V$ $0mA \leq I_o \leq 800mA$			30	mV
		BRLD1117DQ-3.3	$V_{in}=4.75V$ $0mA \leq I_o \leq 800mA$			30	mV
		BRLD1117DQ-5.0	$V_{in}=6.5V$ $0mA \leq I_o \leq 800mA$			30	mV

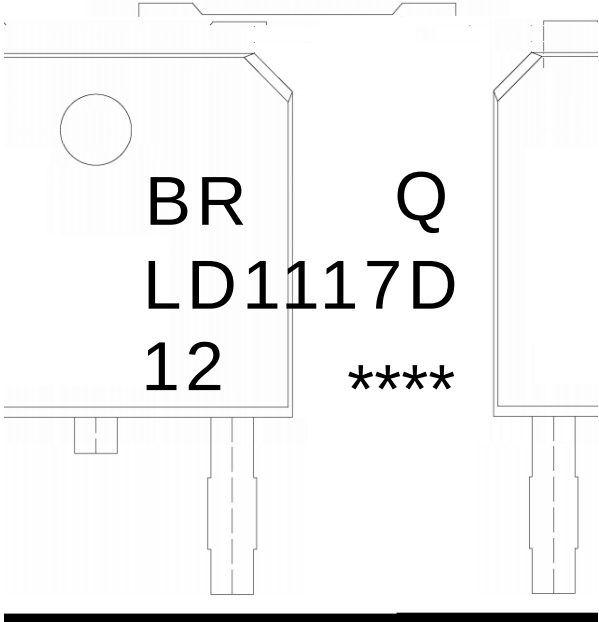
Parameter	Symbol	Type	Test Conditions	Min	Typ	Max	Unit
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Parameter	Symbol	Type	Test Conditions	Min	Typ	Max	Unit
Supply Voltage Rejection	SVR	BRLD1117DQ-Adj	Io=40mA f=120Hz, Tj=25 Vin-Vo=3V, Vripple=1Vpp	60	75		dB
		BRLD1117DQ-1.2					
		BRLD1117DQ-1.8					

Electrical Characteristic Curve



1. 1.1 / Marking Instructions



1. 1.1
EU 1.1
Q 1.1
LG444 : G 1.1
45- 1.1
**** 1.1

Note:
BR: Company Code
Q: Automobile halogen-free product Code
LD1117D: Product Type Code
12: On Behalf 1.2V
****: Lot No. Code, code change with Lot No



Whp shudwxuh Suriloh i ru LU Uhior z Vroghulqj+Se0luhh,

1. Preheating:

Note:

1. 150 200 60 120sec;

1. Preheating: 150~200 , Time: 60~120sec.

2. 255±5 5±0.5sec;

2. Peak Temp.: 255±5 , Duration: 5±0.5sec.

3. 2 10 /sec.

3. Cooling Speed: 2~10 /sec.

Resistance to Soldering Heat Test Conditions

260±5

10±1 sec.

Temp.: 260±5

Time: 10±1 sec

Packaging SPEC.

REEL

Package Type	Units					Dimension		(unit mm ³)
TO-252	2,500	2	5,000	6	30,000	13 ×16	360×360×50	380×335×366