

## LOW DROP FIXED AND ADJUSTABLE POSITIVE VOLTAGE REGULATOR

The KIA1117AS/AF × × is a Low Drop Voltage Regulator able to provide up to 1A of output current, available even in adjustable version ( $V_{ref}=1.25V$ )

### FEATURES

- Low Dropout Voltage : 1.1V/Typ. ( $I_{out}=1.0A$ )
- Very Low Quiescent Current : 2.5mA/Typ.
- Output Current up to 1A
- Fixed Output Voltage of 1.5V, 1.8V, 2.5V, 2.85V, 3.3V, 5.0V
- Adjustable Version Availability :  $V_{ref}=1.25V$
- Internal Current and Thermal Limit
- A Minimum of  $10\mu F$  for stability
- Available in  $\pm 2\%$ (at 25 °C)
- High Ripple Rejection : 80dB/Typ
- Temperature Range : -30 °C ~ 125 °C

### LINE UP

ITEM	OUTPUT VOLTAGE (V)	PACKAGE
KIA1117AS/AF00	Adjustable (1.25~8V)	AS : SOT-223 AF : DPAK
KIA1117AS/AF15	1.5	
KIA1117AS/AF18	1.8	
KIA1117AS/AF25	2.5	
KIA1117AS/AF28	2.85	
KIA1117AS/AF33	3.3	
KIA1117AS/AF50	5.0	

### MAXIMUM RATINGS ( $T_a=25\text{ }^\circ\text{C}$ )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Input Voltage	$V_{IN}$	10	V
Output Current	$I_{OUT}$	1.0	A
Power Dissipation 1 (No Heatsink)	S (Note)	1.0	W
	F	1.3	
Power Dissipation 2 (Infinite Heatsink)	S	8.3	W
	F	13	
Operating Temperature	$T_{opr}$	-30 ~ 125	°C
Storage Temperature	$T_{stg}$	-55 ~ 150	°C

Note) Package Mounted on FR-4 PCB  $36 \times 18 \times 1.5$  mm.

: mounting pad for the GND Lead min.  $6\text{cm}^2$

