

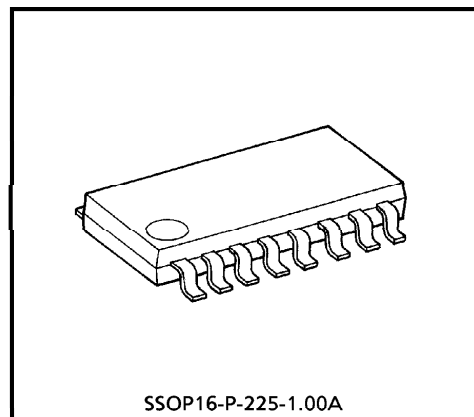
TA8317F

LED DRIVER FOR CAMERA

TA8317F is Multi Chip IC incorporates 6 low saturation discrete transistors which equipped bias resistor. This IC is suitable for a camera use LED drive applications.

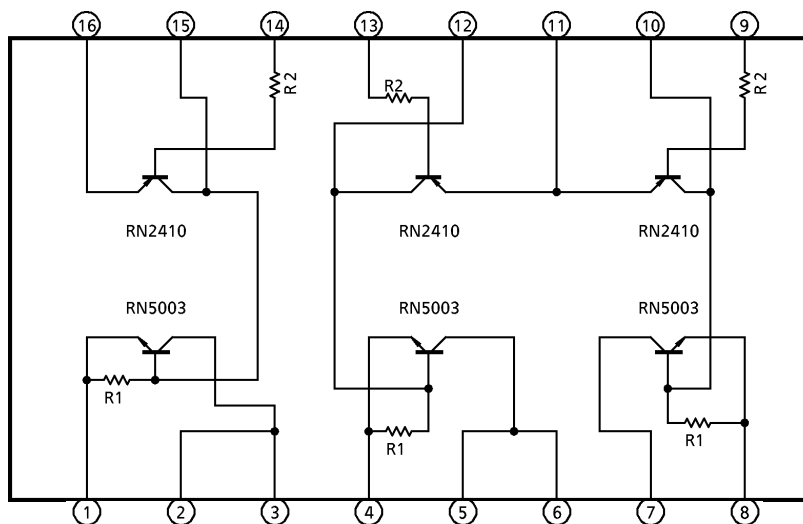
FEATURES

- Suitable for LED drive circuit.
- Built-in Bias Resistor : $R = 10k\Omega$
- Small package sealed : SSOP16
- Low saturation voltage



Weight : 0.14g (Typ.)

BLOCK DIAGRAM



980910EBA2

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MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Supply Voltage	V _{CC}	7.0	V
Breakdown Voltage	V _{CB0}	10	V
	V _{CEO}	10	V
	V _{EB0}	5	V
Output Current (PNP / NPN)	I _{OUT}	100 / 2	mA / A
Base Current	I _B	0.4	A
Power Dissipation	P _D	490	mW
Junction Temperature	T _j	150	°C
Operating Temperature	T _{opr}	- 20~60	°C
Storage Temperature	T _{stg}	- 55~150	°C

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

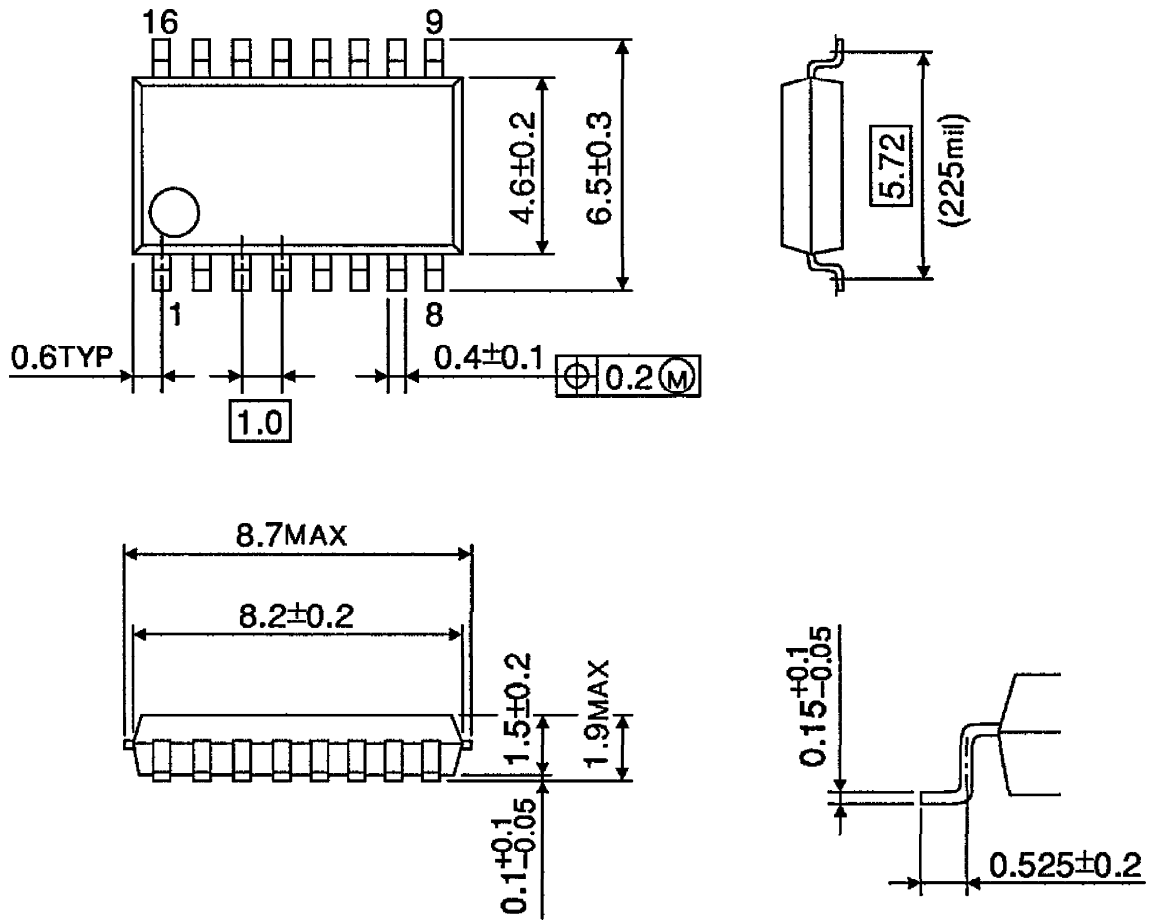
CHARACTERISTIC	SYMBOL	MEASURING Tr	TEST CIR- CUIT	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Current Gain	h _{FE} 1	RN5003	—	V _{CE} = 2V, I _C = 0.5A	100	—	400	
	h _{FE} 2	RN2410	—	V _{CE} = 5V, I _C = 1mA	120	—	400	
Saturation Voltage	V _{sat} 1	RN5003	—	I _C = 2A, I _B = 0.05A	—	—	0.5	V
	V _{sat} 2	RN2410	—	I _C = 5mA, I _B = 0.25mA	—	—	0.3	V
Transition Frequency	f _{T1}	RN5003	—	V _{CE} = 2V, I _C = 0.5mA	—	—	120	MHz
	f _{T2}	RN2410	—	V _{CE} = 10V, I _C = 5mA	—	—	200	MHz
Resistance Value	R ₁	RN5003	—		7	10	13	kΩ
	R ₂	RN2410	—		3.29	4.7	6.11	kΩ

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OUTLINE DRAWING
SSOP16-P-225-1.00A

Unit : mm



Weight : 0.14g (Typ.)