

TA8313F

LED DRIVER FOR CAMERA

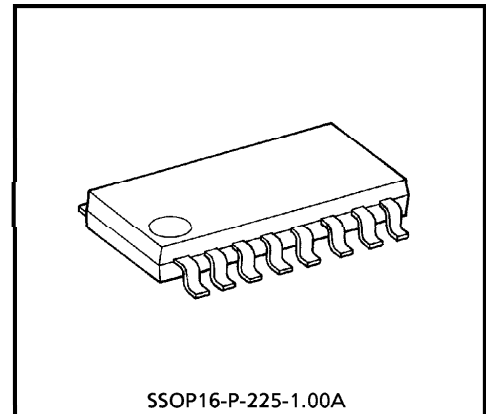
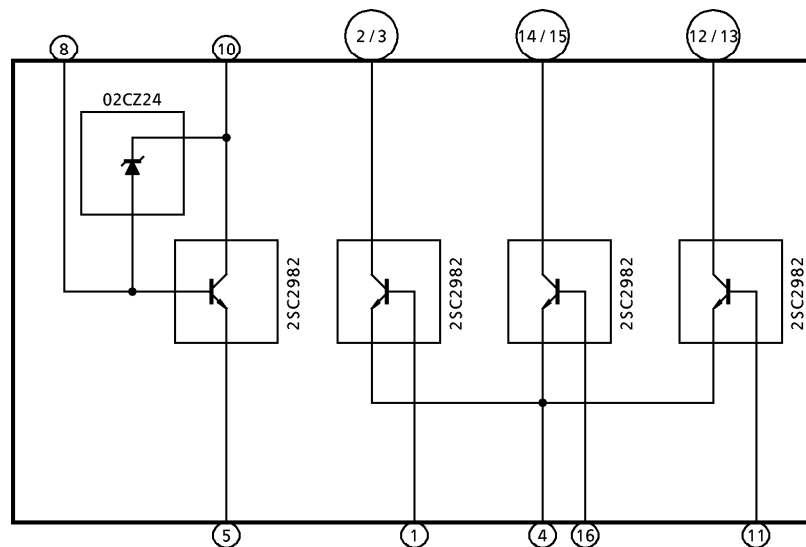
TA8313F is Multi Chip IC incorporates 4 low saturation discrete transistors and one Zener Diode.

This IC is suitable for a camera use LED drive applications.

FEATURES

- Suitable for LED drive circuit.
- Low Saturation voltage
- Small package sealed

BLOCK DIAGRAM



SSOP16-P-225-1.00A

Weight : 0.14g (Typ.)

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MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Supply Voltage	V _{CC}	30	V
Breakdown Voltage	V _{CB0}	30	V
	V _{CEO}	10	V
	V _{EBO}	6	V
Output Current	I _{OUT}	2	A
Base Current	I _B	0.4	A
Power Dissipation	P _D	330	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 / Z _d	TEST CIR- CUIT	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Current Gain	h _{FE}	2SC2982	—	V _{CE} = 1V, I _C = 0.5A	140	—	600	
Saturation Voltage	V _{CE}	2SC2982	—	I _C = 2A, I _B = 500mA	—	—	0.5	V
Leakage Current	I _{OFF}	2SC2982	—	V _{CC} = 7V	—	—	1	μA
Transition Frequency	f _T	2SC2982	—	V _{CE} = 1V, I _C = 0.5A	—	150	—	MHz
Zener Voltage	V _Z	02CZ24	—	I _Z = 5mA	22.8	—	25.6	V
Operational Resistance	Z _Z	02CZ24	—	I _Z = 5mA	—	—	40	Ω
Activating Resistance	Z _{ZK}	02CZ24	—	I _Z = 5mA	—	—	200	Ω
Reverse Current	I _R	02CZ24	—	V _F = 19V	—	—	0.5	μA

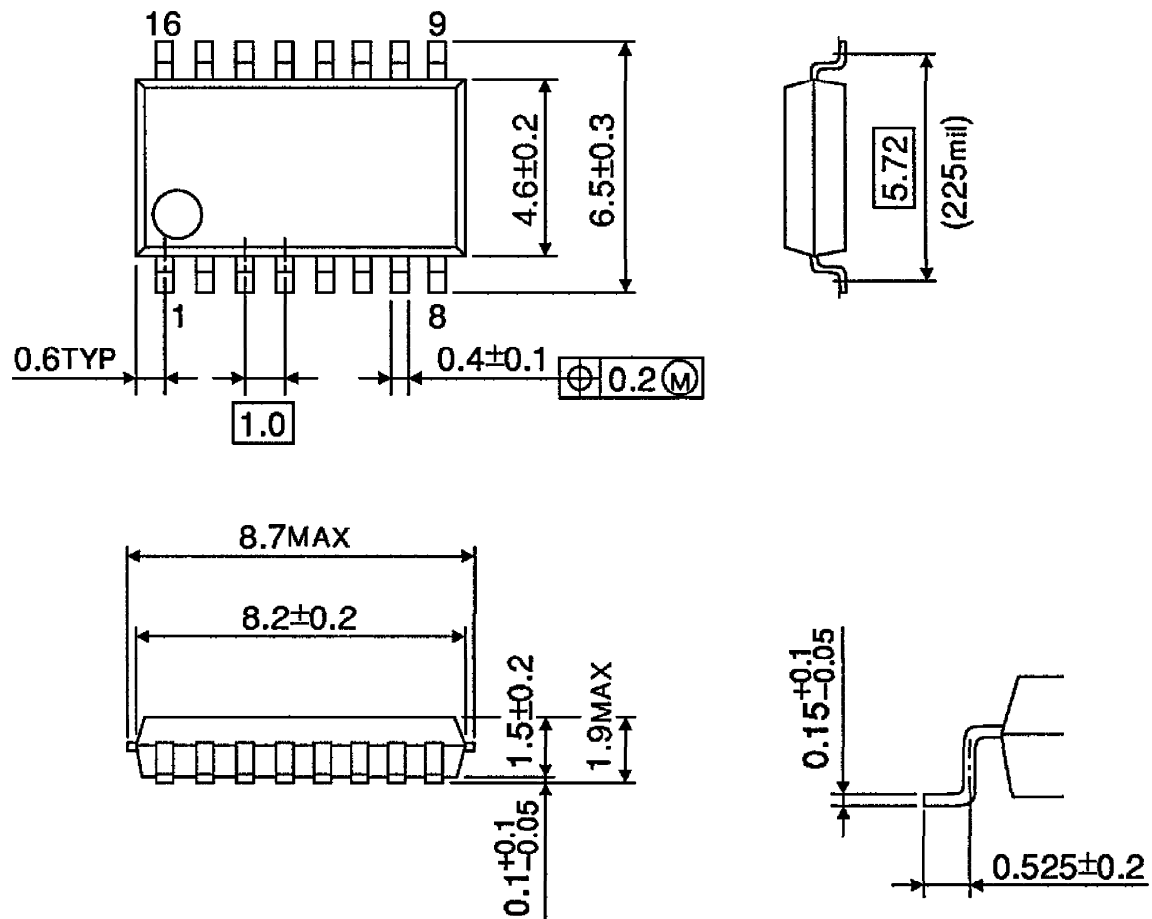
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OUTLINE DRAWING

SSOP16-P-225-1.00A

Unit : mm



Weight : 0.14g (Typ.)