TOSHIBA TA8313F

TENTATIVE

TOSHIBA BIPOLAR LINEAR INTEGRATED CIRCUIT SILICON MULTI CHIP

TA8313F

LED DRIVER FOR CAMERA

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

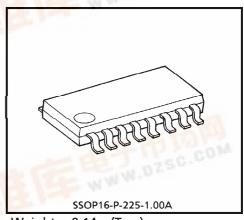
This IC is suitable for a camera use LED drive applications.

FEATURES

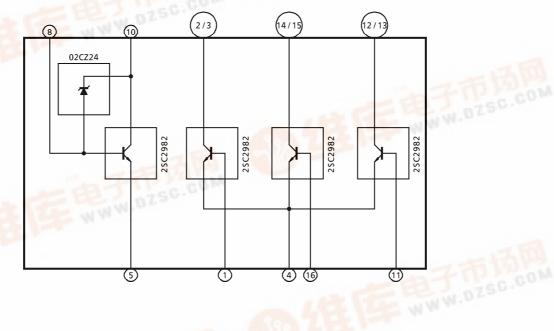
- Suitable for LED drive circuit.
- Low Saturation voltage
- Small package sealed

BLOCK DIAGRAM

df.dzsc.com



Weight: 0.14g (Typ.)



980910EBA2

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MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Supply Voltage	V _{CC}	30	V
	V _{CBO}	30	V
Breakdown Voltage	VCEO	10	<
	V _{EBO}	6	V
Output Current	lout	2	Α
Base Current	Ι _Β	0.4	Α
Power Dissipation	PD	330	mW
Junction Temperature	Tj	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 / Zd	TEST CIR- CUIT	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Current Gain	hFE	2SC2982	_	$V_{CE} = 1V, I_{C} = 0.5A$	140	_	600	
Saturation Voltage	VCE	2SC2982	_	I _C = 2A, I _B = 500mA	_	_	0.5	V
Leakage Current	lOFF	2SC2982	_	V _{CC} = 7V	_	_	1	μ A
Transition Frequency	f _T	2SC2982	_	V _{CE} = 1V, I _C = 0.5A	_	150	_	MHz
Zener Voltage	٧z	02CZ24	_	$I_Z = 5mA$	22.8	_	25.6	V
Operational Resistance	ZZ	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	μ A

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OUTLINE DRAWING SSOP16-P-225-1.00A Unit : mm 0.6TYP 8.7MAX 8.2±0.2 0.525±0.2

Weight: 0.14g (Typ.)