

9097247 TOSHIBA. ELECTRONIC

02E 17228 D

TA7366P

TA7367P

T-77-21

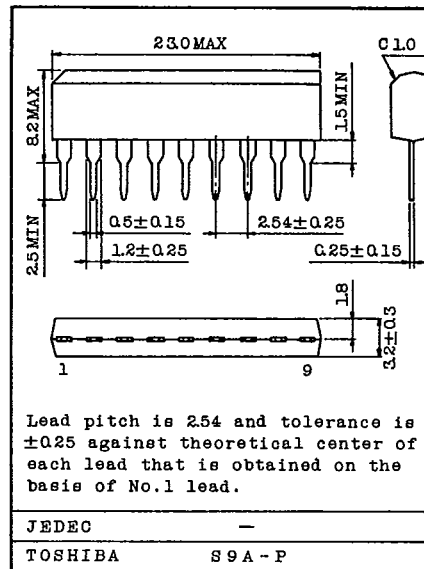
5-LED LEVEL METER DRIVER

Unit in mm

The TA7366P and TA7367P are designed for 5 LED level meter driver.

Which are consist of one input amplifier and five comparators for LED level indication.

- . Low Spurious Noise Operation.
- . Constant Driving Current : $I_O=8\text{mA(Typ.)}$
- . Indication Level Steps
 - : TA7366P 5dB, 5dB, 3dB, 3dB
 - : TA7367P 2dB, 2dB, 2dB, 2dB
- . Wide Operating Supply Voltage Range
 - : $V_{CC}=4\sim 12\text{V}$
- . Variable Input Amplifier Gain : $G_V=0\sim 20\text{dB}$



Lead pitch is 2.54 and tolerance is ± 0.25 against theoretical center of each lead that is obtained on the basis of No.1 lead.

JEDEC

TOSHIBA

S9A-P

Weight : 0.92g

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Supply Voltage	V_{CC}	14	V
LED Driving Terminal Voltage (Note 1)	V_L	15	V
Power Dissipation (Note 2)	P_D	600	mW
Operating Temperature	T_{opr}	$-25\sim 75$	$^\circ\text{C}$
Storage Temperature	T_{stg}	$-55\sim 150$	$^\circ\text{C}$

Note 1 : For Pin 1~4 and 6

2 : Derated above $T_a=25^\circ\text{C}$ in the proportion of $4.8\text{mW}/^\circ\text{C}$.

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ELECTRICAL CHARACTERISTICS

(Unless otherwise specified, $V_{CC}=9V$, $f=1kHz$, $T_a=25^{\circ}C$)

CHARACTERISTIC	SYMBOL	TEST CIR-CUIT	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Quiescent Current	I_{CCQ}	-	$V_{IN}=0V$	-	3	5	mA
Output Current	$I_O(1 \sim 5)$	-		5	8	10	mA
Output Leak Current	$I_O(OFF)$	-		-	-	50	μA
Sensitivity	$V_{LD5(ON)}$	-	$R_S=24k\Omega$, $R_f=100k\Omega$	-	230	-	mV _{rms}

TA7366P

LED Turn-on Input Level	LD5	-	$R_S=24k\Omega$, $R_f=100k\Omega$ $I_O=1mA$	-1	0	1	dB
	LD4	-		-4	-3	-2	dB
	LD3	-		-7.5	-6	-4.5	dB
	LD2	-		-13	-11	-9	dB
	LD1	-		-19	-16	-13	dB

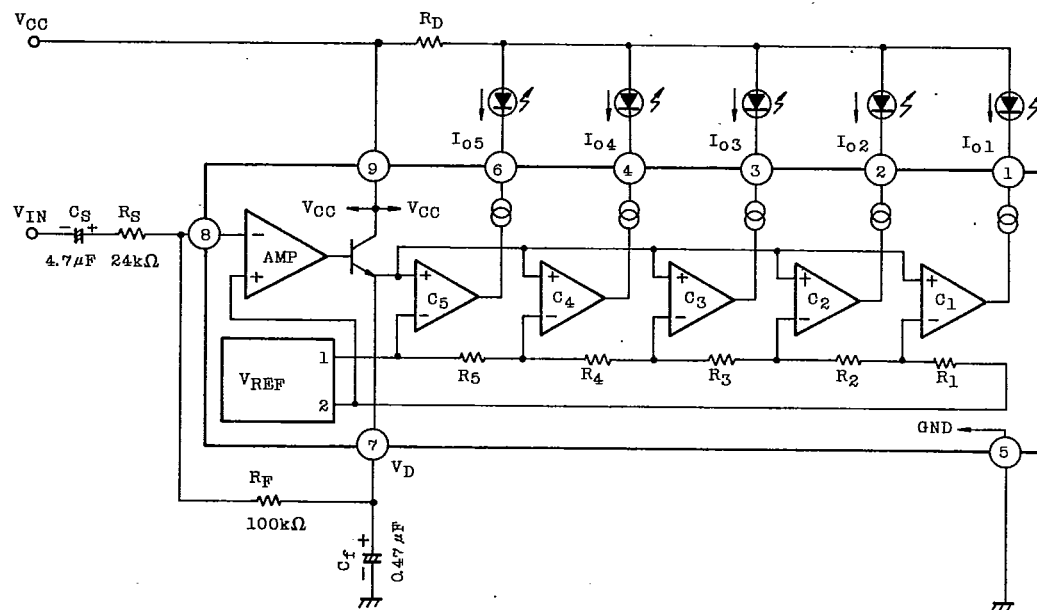
TA7367P

LED Turn-on Input Level	LD5	-	$R_S=24k\Omega$, $R_f=100k\Omega$ $I_O=1mA$	-1	0	1	dB
	LD4	-		-3	-2	-1	dB
	LD3	-		-5	-4	-3	dB
	LD2	-		-7	-6	-5	dB
	LD1	-		-9	-8	-7	dB

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TEST CIRCUIT/BLOCK DIAGRAM



INTERNAL RESISTANCE VALUE

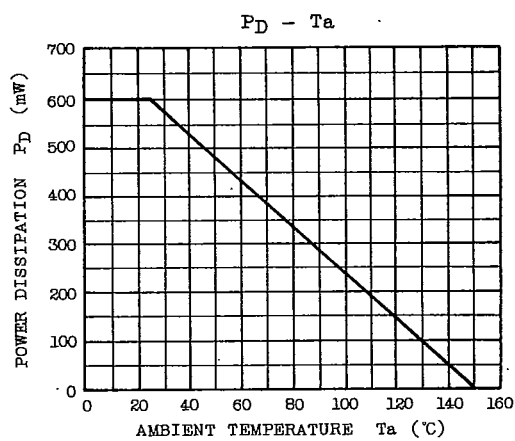
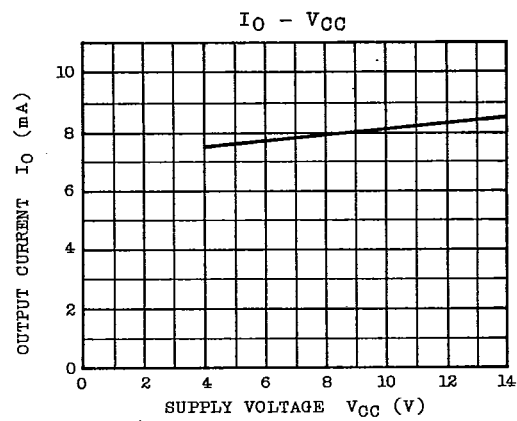
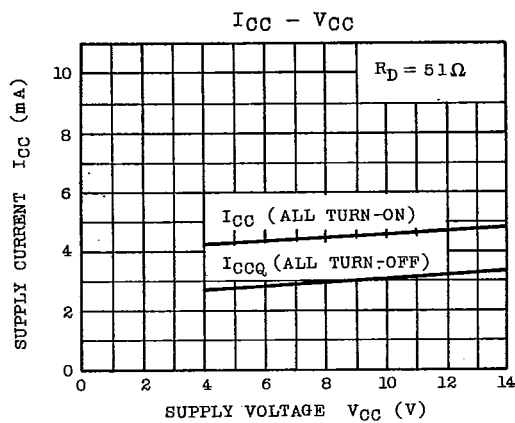
	TA7366P	TA7367P	UNIT
R1	1.36	3.66	k Ω
R2	1.08	0.948	k Ω
R3	1.89	1.19	k Ω
R4	1.78	1.50	k Ω
R5	2.50	1.89	k Ω

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