

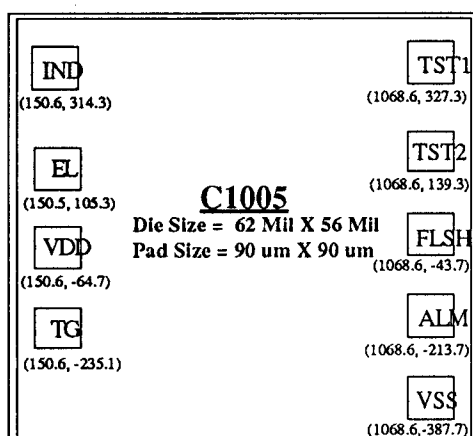
FUNCTIONS

- Single 3V or 4.5V battery operation.
- DC to AC conversion.
- Built-in RC oscillator.
- Built-in delay function.
- Three independent trigger inputs:
 ALM (L) makes EL display for 4 second delay. TG (H) makes EL display for 4 second delay. FLSH (H) makes EL flash companied with the pluse from FLSH without any delay .

COIL OPTION LIST FOR C1005

VDD (V)	Coil		EL Area (cm squ.)	EL Voltage (V)	Colour
	MH	OHM			
3.0	3.3	6	7 X 10	120	Green
3.0	3.0	7	40	130	Blue
3.0	3.0	21	20	140	Blue
3.0	3.0	43	20	130	Blue
4.5	3.3	6	10 X 10	120	Green

PAD DIAGRAM



PIN	DESCRIPTION
IND	DC to AC converter output
EL	DC to AC converter output
VDD	Positive power supply
TG	Trigger input pin active at high
TST1, TST2	Test Pins
FLSH	Trigger input pin active at high
ALM	Trigger input pin active at low
Vss	Negative power supply

DC ELECTRICAL CHARACTERISTICS

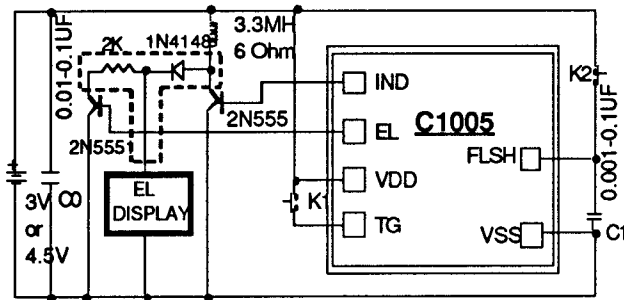
Unless otherwise specified, Ta = 25°C, VDD = 3.0V, Vss = 0V

Characteristics	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Operating voltage range	VDD	1.3	3.0	4.5	V	—
Standard current	IDD	--	0.1	1	μA	*no load
Oscillator Starting Voltage	VSTP	1.3	--	--	V	—

Note: * refers to EL & IND open, all trigger input open.

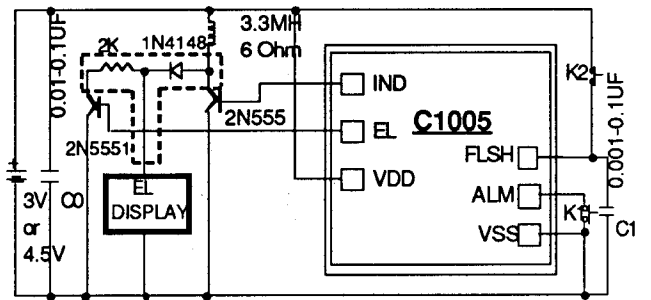
ALL KINDS OF APPLICATION CIRCUIT

A. Application with 4 Second Delay using Vdd Trigger & without Delay using FLSH Trigger

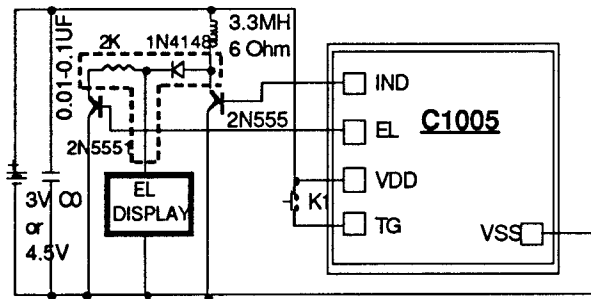


NOTE: Substrate is connector to VDD

B. Application with 4 Second Delay using Vss Trigger & without Delay using FLSH Trigger

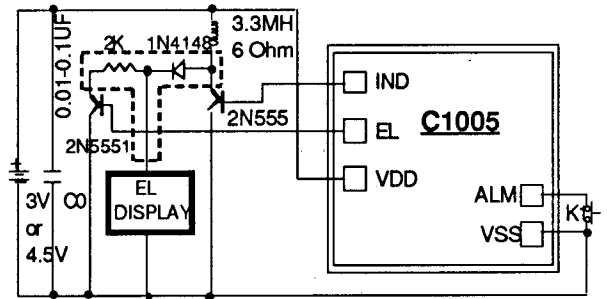


C. Application with 4 Second Delay using Vdd Trigger

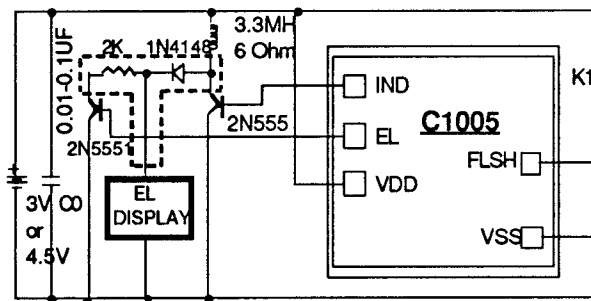


NOTE: Substrate is connector to VDD

D. Application with 4 Second Delay using Vss Trigger



E. Application without Delay using FLSH Trigger



NOTE: Substrate is connector to VDD

F. Application without Delay using Power Button

