

Voltage Ranger Electronics



Manual: Quick Starter

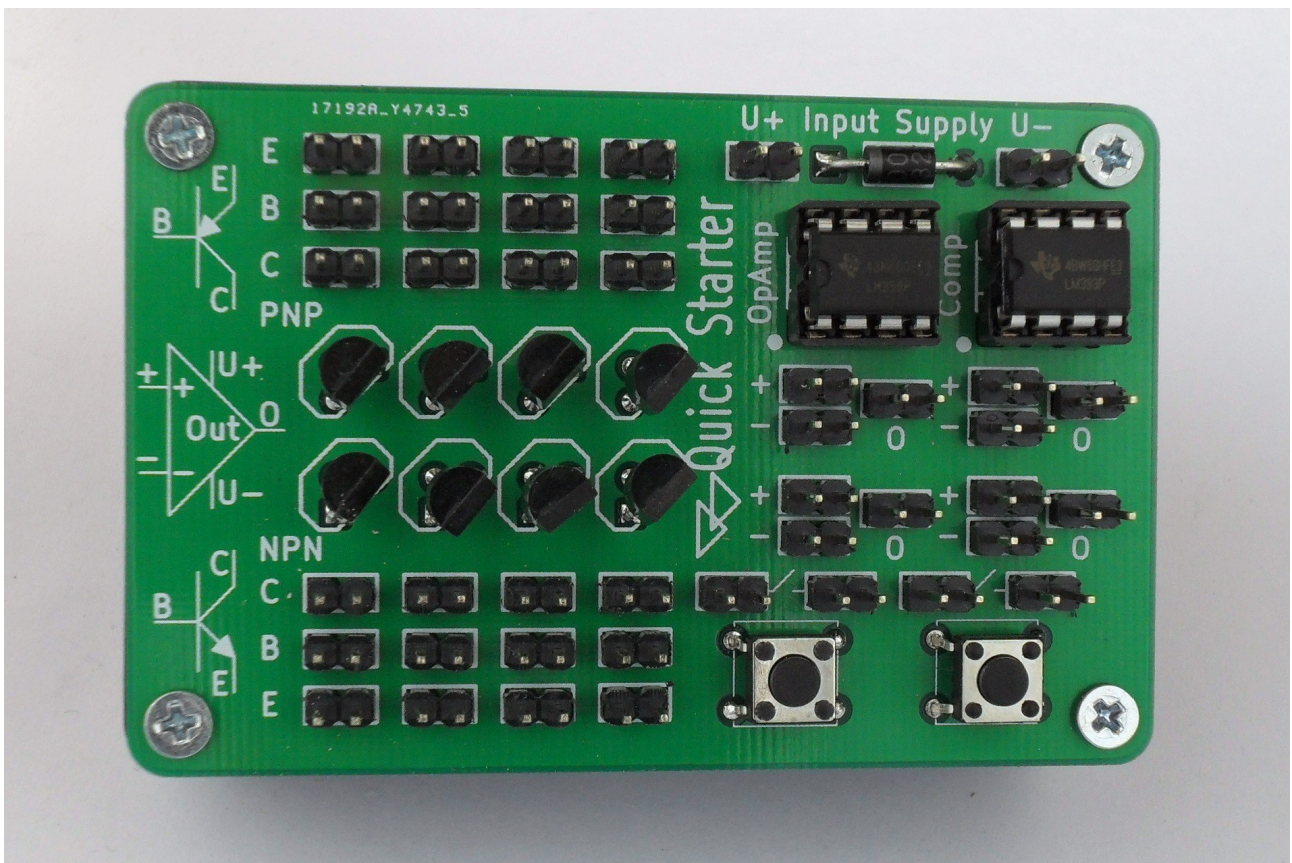


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Specification

BC556B (PNP-Transistor)

Collector-Emitter-voltage; B open	V_{CEO}	-65V
Collector curren	I_c	-100mA
Power dissipation	P_{tot}	500mW

BC546B (NPN-Transistor)

Collector-Emitter-voltage; B open	V_{CEO}	65V
Collector curren	I_c	100mA
Power dissipation	P_{tot}	500mW

LM358 (Opamp)

Transmission band frequency		1.1MHz
Supply voltage		3...30V DC
Voltage rise speed		0.6V/ μ s

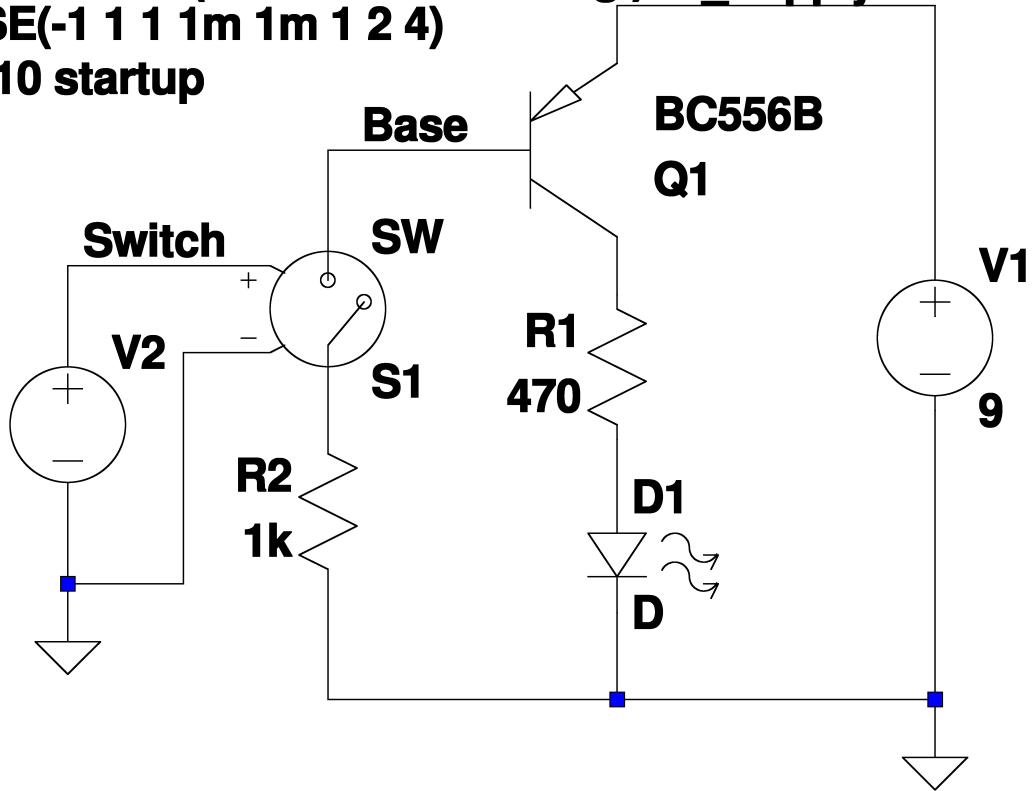
LM393 (Comp)

Delay time		1.3 μ s
Supply voltage		2...36V DC

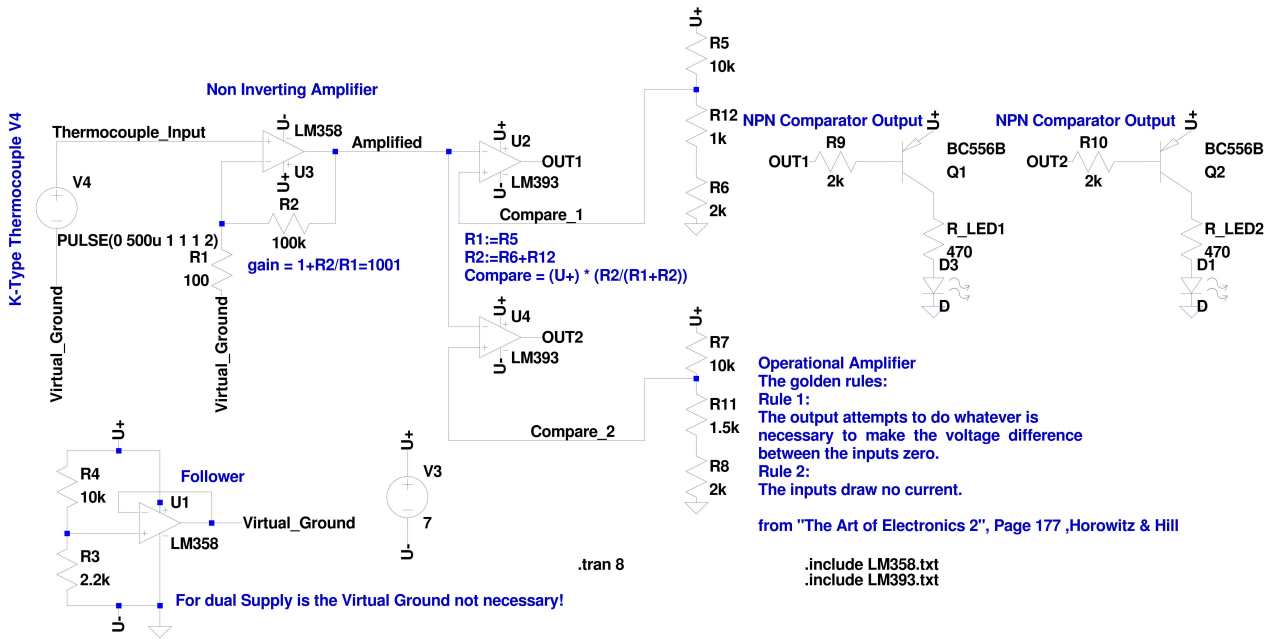
Examples

Example 1: Simulation

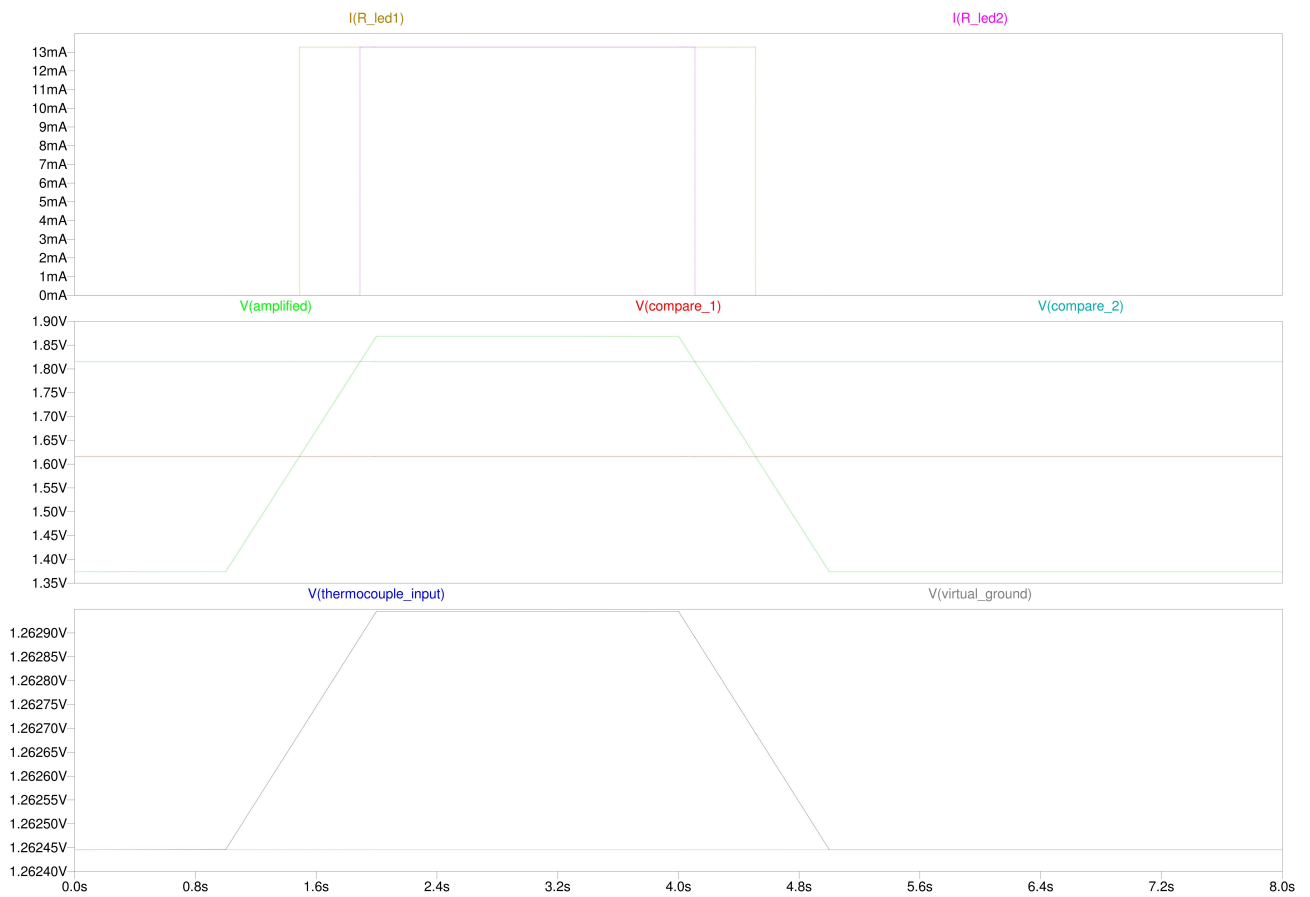
```
.model SW SW(Ron=.1 Roff=10Meg)9V_Supply  
PULSE(-1 1 1 1m 1m 1 2 4)  
.tran 10 startup
```



Example 2: Schematic



Example 2: Graph



Schematic

