

# Introductory Circuit Analysis

## DC Circuits



### INTRODUCTORY CIRCUIT ANALYSIS - DC CIRCUITS

#### Resistor

Kit Qty.	Newark SKU	Manufacturer Part Number	Value	Wattage
1	58K5053	MCCFR0W4J047JA50	4.7Ω	1/4
1	58K5066	MCCFR0W4J068JA50	6.8Ω	1/4
1	58K4999	MCCFR0W4J0100A50	10Ω	1/4
1	58K5054	MCCFR0W4J0470A50	47Ω	1/4
1	59K8407	MCCFR0W4J0910A50	91Ω	1/4
1	58K5000	MCCFR0W4J0101A50	100Ω	1/4
1	58K5055	MCCFR0W4J0471A50	470Ω	1/4
1	58K5068	MCCFR0W4J0681A50	680Ω	1/4
1	58K5043	MCCFR0W4J0332A50	3.3kΩ	1/4
1	58K5056	MCCFR0W4J0472A50	4.7kΩ	1/4
1	58K5069	MCCFR0W4J0682A50	6.8kΩ	1/4
1	58K5031	MCCFR0W4J0223A50	22kΩ	1/4
1	58K5057	MCCFR0W4J0473A50	47kΩ	1/4
1	58K5058	MCCFR0W4J0474A50	470kΩ	1/4
1	58K5004	MCCFR0W4J0105A50	1mΩ	1/4
2	58K5029	MCCFR0W4J0221A50	220Ω	1/4
2	59K8332	MCCFR0W4J0122A50	1.2kΩ	1/4
2	58K5030	MCCFR0W4J0222A50	2.2kΩ	1/4
2	58K5002	MCCFR0W4J0103A50	10kΩ	1/4
2	58K5003	MCCFR0W4J0104A50	100kΩ	1/4
3	58K5000	MCCFR0W4J0101A50	100Ω	1/4
3	58K5042	MCCFR0W4J0331A50	330Ω	1/4
3	58K5001	MCCFR0W4J0102A50	1kΩ	1/4
3	58K5043	MCCFR0W4J0332A50	3.3kΩ	1/4
1	58K4939	MCCFR0S2J0105A20	1mΩ	1/2
1	59K8526	MCCFR01SJ0105A10	1mΩ	1
1	38K0440	MCF 2W 1M	1mΩ	2

#### Capacitor

Kit Qty.	Newark SKU	Manufacturer Part Number	Value
1	69K7895	105CKH050M	1μF
2	39T8321	10MS5100MEFC6.3X5	100μF

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element14

### Variable Resistor

Kit Qty.	Newark SKU	Manufacturer Part Number	Value
1	62J1881	3362P-1-102LF	0~1K
1	62J1882	3362P-1-103LF	0~10K
1	62J1894	3362P-1-254LF	0~250K

### ICs

Kit Qty.	Newark SKU	Manufacturer Part Number	Type
1	41K6294	LM741CN/NOPB	Op Amp

### Miscellaneous

Kit Qty.	Newark SKU	Manufacturer Part Number	Type	Value
1	46P8718	11R103C	Inductors	10 $\mu$ H
1	94T9187	MCR13-28A-05	Switch	Small SPST Switch
1	56T0249	TW-E40-510	Breadboard	
1	99W1758	MCBBJ65	Breadboard Wire Kit	