

## Voltage Regulator

| Type No     | Function                           | Output Voltage<br>TYP (V) | Output Current<br>MAX (A) | Input Voltage<br>MAX (V) | Power Dissipation<br>MAX (W) | Package | Fig | Remarks                                 |
|-------------|------------------------------------|---------------------------|---------------------------|--------------------------|------------------------------|---------|-----|-----------------------------------------|
| KIA78L005AP | + 0.15A<br>3-Terminal<br>Regulator | 5                         | 150mA                     | 35                       | 800mW                        | TO-92L  | F4  | Output Voltage<br>tolerance are<br>± 5% |
| KIA78L006AP |                                    | 6                         |                           |                          |                              |         |     |                                         |
| KIA78L007AP |                                    | 7                         |                           |                          |                              |         |     |                                         |
| KIA78L075AP |                                    | 7.5                       |                           |                          |                              |         |     |                                         |
| KIA78L008AP |                                    | 8                         |                           |                          |                              |         |     |                                         |
| KIA78L009AP |                                    | 9                         |                           |                          |                              |         |     |                                         |
| KIA78L010AP |                                    | 10                        |                           |                          |                              |         |     |                                         |
| KIA78L012AP |                                    | 12                        |                           |                          |                              |         |     |                                         |
| KIA78L132AP |                                    | 13.2                      |                           |                          |                              |         |     |                                         |
| KIA78L015AP |                                    | 15                        |                           |                          |                              |         |     |                                         |
| KIA78L018AP |                                    | 18                        |                           |                          |                              |         |     |                                         |
| KIA78L020AP |                                    | 20                        |                           | 40                       |                              |         |     |                                         |
| KIA78L024AP | 24                                 |                           |                           |                          |                              |         |     |                                         |

|            |                                       |    |     |    |      |          |    |   |
|------------|---------------------------------------|----|-----|----|------|----------|----|---|
| KIA78005AP | + 1.0A<br><br>3-Terminal<br>Regulator | 5  | 1.0 | 35 | 20.8 | TO-220AB | F6 | — |
| KIA78006AP |                                       | 6  |     |    |      |          |    |   |
| KIA78008AP |                                       | 8  |     |    |      |          |    |   |
| KIA78009AP |                                       | 9  |     |    |      |          |    |   |
| KIA78010AP |                                       | 10 |     |    |      |          |    |   |
| KIA78012AP |                                       | 12 |     |    |      |          |    |   |
| KIA78015AP |                                       | 15 |     |    |      |          |    |   |
| KIA78018AP |                                       | 18 |     |    |      |          |    |   |
| KIA78020AP |                                       | 20 |     | 40 |      |          |    |   |
| KIA78024AP |                                       | 24 |     |    |      |          |    |   |

|            |                                   |     |        |     |       |        |    |   |
|------------|-----------------------------------|-----|--------|-----|-------|--------|----|---|
| KIA79L005P | -0.15A<br>3-Terminal<br>Regulator | -5  | -150mA | -35 | 800mW | TO-92L | F4 | - |
| KIA79L006P |                                   | -6  |        |     |       |        |    |   |
| KIA79L008P |                                   | -8  |        |     |       |        |    |   |
| KIA79L009P |                                   | -9  |        |     |       |        |    |   |
| KIA79L010P |                                   | -10 |        |     |       |        |    |   |

## Voltage Regulator

★Under Development

| Type No    | Function                           | Output Voltage<br>TYP (V) | Output Current<br>MAX (A) | Input Voltage<br>MAX (V) | Power Dissipation<br>MAX (W) | Package | Fig | Remarks |
|------------|------------------------------------|---------------------------|---------------------------|--------------------------|------------------------------|---------|-----|---------|
| KIA79L012P | - 0.15A<br>3-Terminal<br>Regulator | - 12                      | - 150mA                   | - 35                     | 800mW                        | TO-92L  | F4  | ---     |
| KIA79L015P |                                    | - 15                      |                           |                          |                              |         |     |         |
| KIA79L018P |                                    | - 18                      |                           |                          |                              |         |     |         |
| KIA79L020P |                                    | - 20                      |                           |                          |                              |         |     |         |
| KIA79L024P |                                    | - 24                      |                           |                          |                              |         |     |         |

|             |                                      |    |       |    |    |          |    |   |
|-------------|--------------------------------------|----|-------|----|----|----------|----|---|
| *KIA65DL05P | + 250mA<br>Low Drop-out<br>Regulator | 5  | 250mA | 60 | 20 | TO-220AB | F6 | — |
| *KIA65DL06P |                                      | 6  |       |    |    |          |    |   |
| *KIA65DL08P |                                      | 8  |       |    |    |          |    |   |
| *KIA65DL09P |                                      | 9  |       |    |    |          |    |   |
| *KIA65DL10P |                                      | 10 |       |    |    |          |    |   |
| *KIA65DL12P |                                      | 12 |       |    |    |          |    |   |
| *KIA65DL15P |                                      | 15 |       |    |    |          |    |   |

| Type No   | Function                                                                                                                |  | Package | Fig |
|-----------|-------------------------------------------------------------------------------------------------------------------------|--|---------|-----|
| *KIA431   | Programmable Precision References Voltage Tolerance: $\pm 1.0\%$ , Low Output Noise Voltage, $V_{KA} = 37V$             |  | TO-92   | F3  |
| *KIA6500S | Watch dog timer, Output voltage = 5V, Output Current = 10mA, Input Voltage = 40V, Output Voltage Tolerance = $\pm 0.5V$ |  | SIP-9   | F17 |

## C-MOS Logic

★Under Development

| Type No     | Function                        |  | Package | Fig |
|-------------|---------------------------------|--|---------|-----|
| *KIC4011UBP | Quad 2-Input Positive NAND Gate |  | DIP-14  | F21 |
| *KIC4019BP  | Quad AND-OR Select Gate         |  | DIP-16  | F22 |
| *KIC4040BP  | 12-Stage Binary Counter         |  | DIP-16  | F22 |
| *KIC4066BP  | Quad Bilateral Switch           |  | DIP-14  | F21 |
| *KIC4069UBP | Hex Inverter                    |  | SIP-14  | F21 |
| *KIC4081BP  | Quad 2-Input Positive AND Gate  |  | SIP-14  | F21 |
| *74HC04BP   | Hex Inverter                    |  | DIP-14  | F21 |

9000-3519