


The **LTC[®]1642** data sheet has been modified as shown below in **Bold**. For complete specifications, typical performance characteristics and applications information, please see the **LTC1642** data sheet.

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DC ELECTRICAL CHARACTERISTICS

The ● denotes the specifications which apply over the full operating temperature range, otherwise specifications are at $T_A = 25^\circ\text{C}$. $V_{CC} = 5\text{V}$ unless otherwise specified.

| SYMBOL | PARAMETER | CONDITIONS | | MIN | TYP | MAX | UNITS |
|----------------------------|---|--|---|-------------|--------------|--------------|----------|
| V_{CC} | Operating Voltage Range | | ● | 2.97 | | 16.5 | V |
| V_{FB} | FB Pin Voltage Threshold (FB Falling) | | ● | 1.208 | 1.220 | 1.232 | V |
| ΔV_{FB} | FB Pin Threshold Line Regulation | $2.97\text{V} \leq V_{CC} \leq 16.5\text{V}$ | ● | | 5 | 15 | mV |
| V_{OV} | OV Pin Voltage Threshold (OV Rising) | | ● | 1.208 | 1.220 | 1.232 | V |
| ΔV_{OV} | OV Pin Threshold Line Regulation | $2.97\text{V} \leq V_{CC} \leq 16.5\text{V}$ | ● | | 5 | 15 | mV |
| V_{RST} | RST TMR Pin Voltage Threshold (RST TMR Rising) | | ● | 1.200 | 1.220 | 1.250 | V |
| ΔV_{RST} | RST TMR Pin Threshold Line Regulation | $2.97\text{V} \leq V_{CC} \leq 16.5\text{V}$ | ● | | 5 | 15 | mV |
| V_{BRK} | BRK TMR Pin Voltage Threshold (BRK TMR Rising) | | ● | 1.200 | 1.220 | 1.250 | V |
| ΔV_{BRK} | BRK TMR Pin Threshold Line Regulation | $2.97\text{V} \leq V_{CC} \leq 16.5\text{V}$ | ● | | 5 | 15 | mV |
| ΔV_{CR} | CRWBR Pin Threshold Line Regulation | $2.97\text{V} \leq V_{CC} \leq 16.5\text{V}$ | ● | | 4 | 15 | mV |
| ΔV_{GATE} | External N-Channel Gate Drive | $V_{GATE} - V_{CC}, V_{CC} = 3\text{V}$ | ● | 4.5 | 5.9 | 8.0 | V |
| | | $V_{GATE} - V_{CC}, V_{CC} = 5\text{V}$ | ● | 10 | 11.5 | 14 | V |
| | | $V_{GATE} - V_{CC}, V_{CC} = 15\text{V}$ | ● | 4.5 | 8.5 | 18 | V |
| V_{ONLO} | ON Pin Threshold (High to Low) | | ● | 1.20 | 1.22 | 1.26 | V |
| V_{REF} | Reference Output Voltage | No Load | ● | 1.208 | 1.220 | 1.232 | V |
| ΔV_{LNR} | Reference Line Regulation | $2.97\text{V} \leq V_{CC} \leq 16.5\text{V}$, No Load | ● | | 5 | 15 | mV |

For further information regarding this specification notice contact:

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