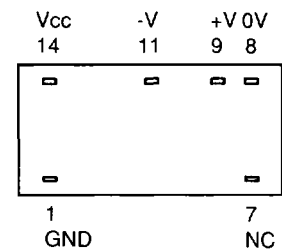


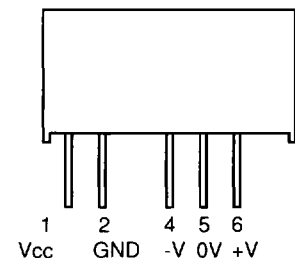
DC/DC CONVERTERS

- Suitable For PCB Mounting
- Input And Output Isolated To 500 VDC
- No Derating Over Operating Temperature Range
- 100% Burned In
- Triple Tested
- Efficiencies Up To 80%
- Available In DIP And SIP Packages
- Available In 5, 12, 24 And 48 Volt Input Versions
- No Heat Sinking Required
- No Output Capacitor Required

Dual-In-Line Package (Top View)



Single-In-Line Package



The 0700 series DC/DC converters are miniature, highly efficient, isolated devices available in SIP and DIP packages. They require minimal board space with the DIP version taking up as little as 0.32 square inches and the SIP only 0.18 square inches. The converters are available in versions taking 5V, 12V, 24V, or 48V as the input voltage and can provide outputs of $\pm 5V$, $\pm 12V$ or $\pm 15V$. Total output power is 750 mW, all of which may be drawn from one pin. Input to output isolation is 500 VDC. Both the SIP and DIP cases are made of UL94-V0 rated plastic. Operating range with no derating and no heatsinking is -25 to 80°C .

General Specifications

- Isolation Voltage: 500 VDC Min.
- Operating Temperature Range: -25 To 80°C
- Efficiency At Full Load, 12 And 15 Volt Output Types: 75% Min.
- Efficiency At Full Load, 5 Volt Output Types: 70% Min.
- Isolation Resistance: 10^9 Ohm Min.

Input Specifications

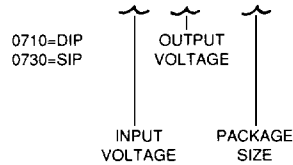
- Input Voltage Range: $\pm 10\%$
- Input Filter: Capacitor Type

Output Specifications

- Voltage Accuracy: $\pm 5\%$
- Load Voltage Regulation (1 mA min. load): $\pm 10\%$
- Line Voltage Regulation: 1%/1% Of V_{in}
- Ripple And Noise, 20 MHz BW: 50 mV p-p Max.
- Temperature Coefficient: 0.03%/ $^{\circ}\text{C}$ Max.
- Short Circuit Protection: 1.0 Second
- Total Output Power (May Be Drawn From One Pin): 750 mW

PART NUMBER 0710-0515-00

Example: DC/DC converter with 5 Volt input, ± 15 Volt output in a DIP package.
0710-0515-00



Part Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (Each Output) (mA)	Package Type
0710-0505-00	5	± 5	75	DIP (Fig. 1)
0710-0512-00	5	± 12	30	DIP (Fig. 1)
0710-0515-00	5	± 15	25	DIP (Fig. 1)
0730-0505-00	5	± 5	75	SIP (Fig. 2)
0730-0512-00	5	± 12	30	SIP (Fig. 2)
0730-0515-00	5	± 15	25	SIP (Fig. 2)
0710-1205-00	12	± 5	75	DIP (Fig. 1)
0710-1212-00	12	± 12	30	DIP (Fig. 1)
0710-1215-00	12	± 15	25	DIP (Fig. 1)
0730-1205-00	12	± 5	75	SIP (Fig. 2)
0730-1212-00	12	± 12	30	SIP (Fig. 2)
0730-1215-00	12	± 15	25	SIP (Fig. 2)

Part Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (Each Output) (mA)	Package Type
0710-2405-00	24	± 5	75	DIP (Fig. 1)
0710-2412-00	24	± 12	30	DIP (Fig. 1)
0710-2415-00	24	± 15	25	DIP (Fig. 1)
0730-2405-00	24	± 5	75	SIP (Fig. 2)
0730-2412-00	24	± 12	30	SIP (Fig. 2)
0730-2415-00	24	± 15	25	SIP (Fig. 2)
0710-4805-01	48	± 5	75	DIP (Fig. 3)
0710-4812-01	48	± 12	30	DIP (Fig. 3)
0710-4815-01	48	± 15	25	DIP (Fig. 3)
0730-4805-01	48	± 5	75	SIP (Fig. 4)
0730-4812-01	48	± 12	30	SIP (Fig. 4)
0730-4815-01	48	± 15	25	SIP (Fig. 4)

Figure 1

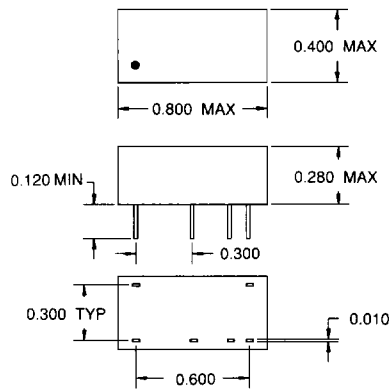


Figure 2

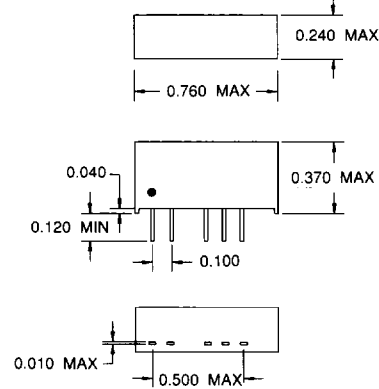


Figure 3

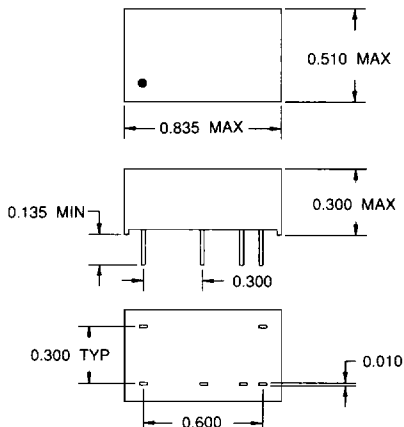
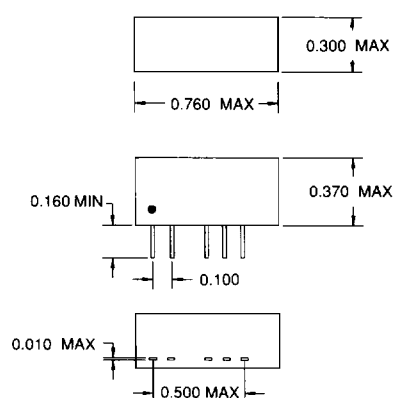
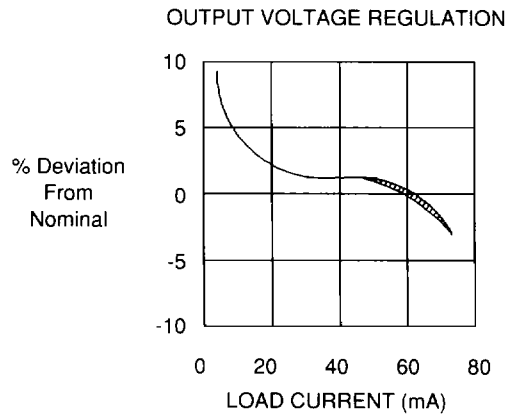
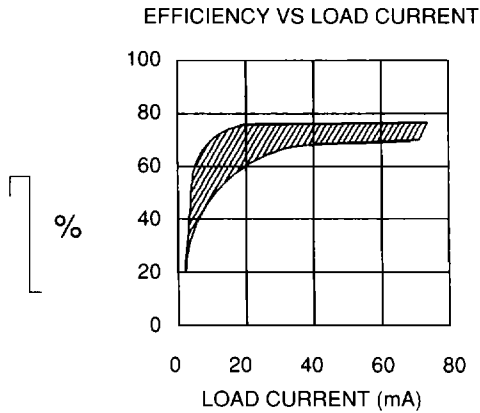


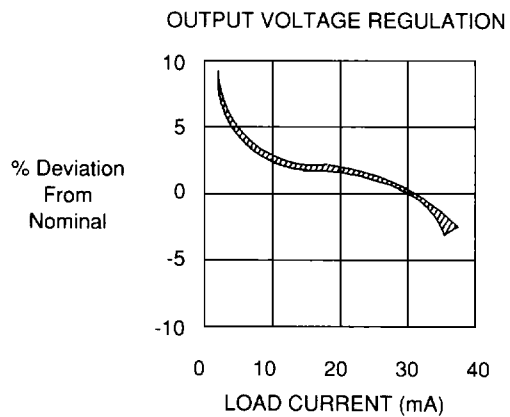
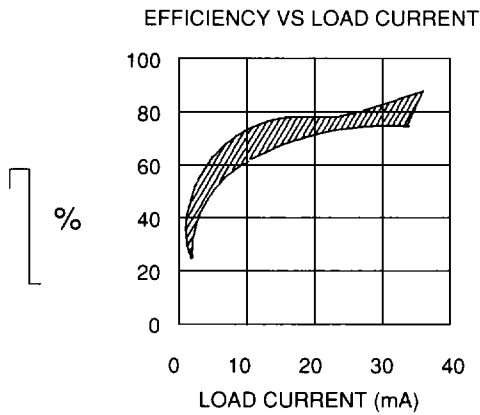
Figure 4



±5 VOLT OUTPUT CONVERTERS



±12 VOLT OUTPUT CONVERTERS



±15 VOLT OUTPUT CONVERTERS

