



30D/40D/43D/50D/52D SERIES

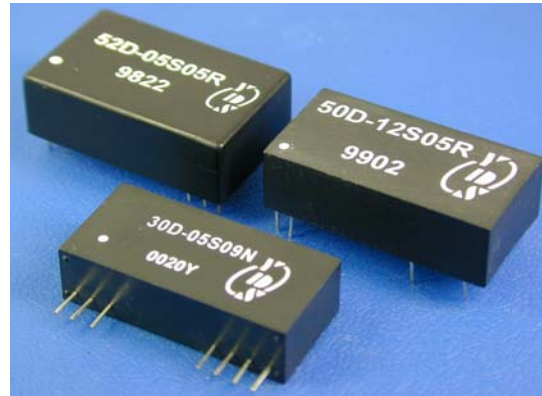
1.8WATT DC-DC CONVERTER

FEATURES

- UP TO 1.8 WATTS OUTPUT POWER
- 12PIN SIP, 24PIN DIP/DIL/SMD PACKAGE
- 500VDC ISOLATION
- UNREGULATED & REGULATED OUTPUT TYPES
- LOW RIPPLE AND NOISE

GENERAL SPECIFICATIONS

- OUTPUT RIPPLE & NOISE : 50mVp-p(20MHz B.W.)
- ISOLATION RESISTANCE : 100MΩ MIN @500VDC
- SWITCHING FREQUENCY : 20KHz TYP.
- OPERATING TEMPERATURE : 0 °C TO 70°C
- STORAGE TEMPERATURE RANGE : -40°C TO 100°C
- EFFICIENCY(UNREGULATED) : 70% TYP
- (REGULATED) : 50% TYP
- SHORT CIRCUIT PROTECTION : CONTINUOUS



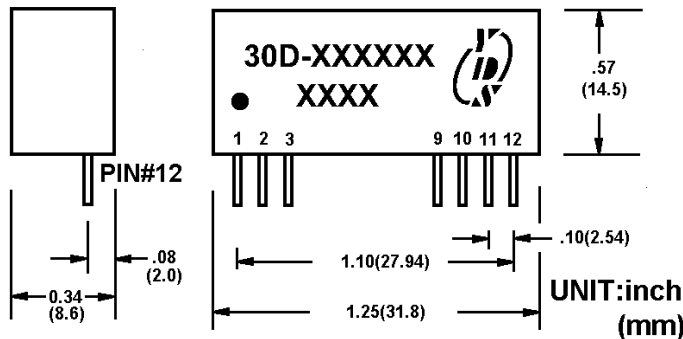
ELECTRICAL SPECIFICATIONS

- INPUT VOLTAGE RANGE : ±10%
- OUTPUT VOLTAGE TOLERANCE : ±5%
- LINE REGULATION (REGULATED) : ±0.3%
- UNREGULATED (PER 1% CHAGE IN INPUT VOLTAGE) : ±1.2%
- LOAD REGULATION (REGULATED) : ±0.5%
- UNREGULATED (FOR LOAD CHANGE FROM 100% TO 20%) : ±10%

(Typical at nominal input , rated load and 25°C unless otherwise specified)

PART NO.	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	EFFICIENCY(%TYP)
30D-05S05R	5VDC	5VDC	360mA	50
30D-05S09N	5VDC	9VDC	200mA	75
30D-05S12R	5VDC	12VDC	150mA	55
40D-05S15N	5VDC	15VDC	120mA	75
40D-05S12R	5VDC	12VDC	150mA	55
40D-05D15N	5VDC	±15VDC	±60mA	75
43D-12S05R	12VDC	5VDC	360mA	50
43D-12S12N	12VDC	12VDC	150mA	75
50D-12S15R	12VDC	15VDC	120mA	55
50D-12D12N	12VDC	±12VDC	±75mA	75
50D-12D15R	12VDC	±15VDC	±60mA	55
50D-24S05N	24VDC	5VDC	360mA	70
52D-24S12R	24VDC	12VDC	150mA	55
52D-24S15N	24VDC	15VDC	120mA	75
52D-24D12R	24VDC	±12VDC	±75mA	55
52D-24D15N	24VDC	±15VDC	±60mA	75

MARKINGS AND DIMENSIONS



PIN CONNECTION

PIN	SINGLE	DUAL
1	+INPUT	+INPUT
2	NC	-OUTPUT
9	NC	NC
10	-OUTPUT	COM
11	+OUTPUT	+OUTPUT
12	-INPUT	-INPUT



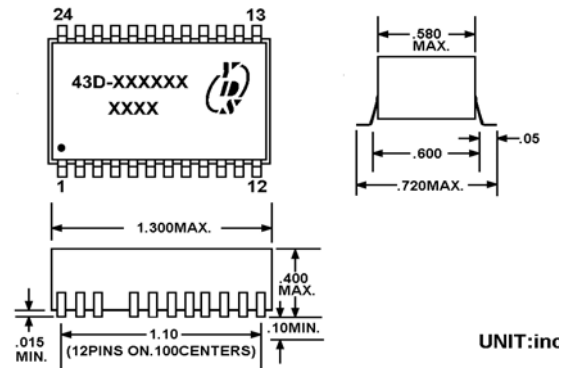
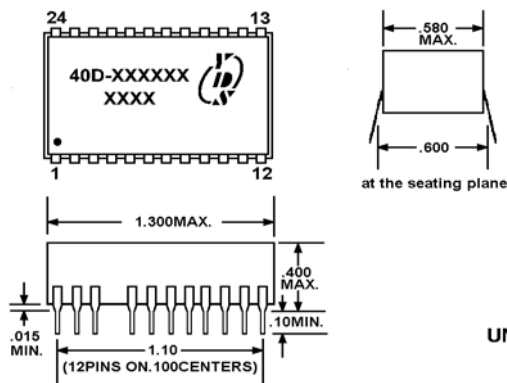
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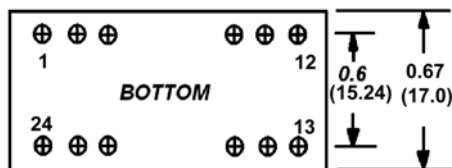
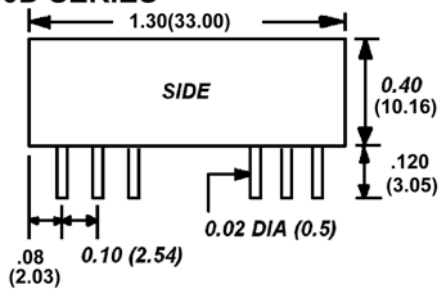
PIN CONNECTION

PIN	SINGLE OUTPUT	DUAL OUTPUT	PIN	SINGLE OUTPUT	DUAL OUTPUT
1	+INPUT	+INPUT	13	-INPUT	-INPUT
2	NC	-OUTPUT	14	+OUTPUT	+OUTPUT
3	NC	COMMON	15	-OUTPUT	COMMON
10	-OUTPUT	COMMON	22	NC	COMMON
11	+OUTPUT	+OUTPUT	23	NC	-OUTPUT
12	-INPUT	-INPUT	24	+INPUT	+INPUT

MARKINGS AND DIMENSION



50D SERIES



52D SERIES

