



41D SERIES

2000Vrms SINGLE AND DUAL OUTPUT 1.8WATT 24PIN DIP DC-DC CONVERTER

FEATURES

- UP TO 1.8 WATTS OUTPUT POWER
- 24PIN DIP PACKAGE
- 2000Vrms 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



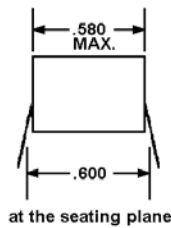
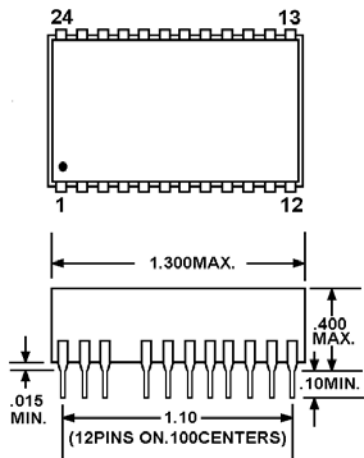
ELECTRICAL SPECIFICATIONS

- INPUT VOLTAGE RANGE :±10%
- OUTPUT VOLTAGE TOLERANCE :±5%
- LINE REGULATION (REGULATED) :±0.3%
- UNREGULATED (PER 1% CHANGE 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(%)
41D-05S05R	5VDC	5VDC	360mA	50
41D-05S09N	5VDC	9VDC	200mA	75
41D-05S12R	5VDC	12VDC	150mA	55
41D-05S15N	5VDC	15VDC	120mA	75
41D-05D12N	5VDC	±12VDC	±75mA	75
41D-05D15R	5VDC	±15VDC	±60mA	55
41D-12S05N	12VDC	5VDC	360mA	75
41D-12S09R	12VDC	9VDC	200mA	55
41D-12S12N	12VDC	12VDC	150mA	75
41D-12D12R	12VDC	±12VDC	±75mA	55
41D-12D15N	12VDC	±15VDC	±60mA	75

MARKINGS AND DIMENSIONS



UNIT:inch

PIN CONNECTION

PIN	SINGLE OUTPUT	DUAL OUTPUT
1,2	+INPUT	+INPUT
9,10	-OUTPUT	COMMON
11,12	+OUTPUT	+OUTPUT
13,14	NC	COMMON
15,16	NC	-OUTPUT
23,24	-INPUT	-INPUT