

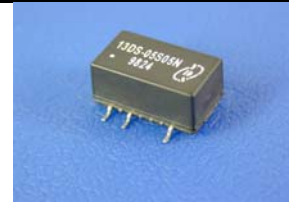


13DS SERIES

1000VDC 1WATT SINGLE OUTPUT SURFACE MOUNT DC-DC CONVERTER

FEATURES

- 14 PIN SMD PACKAGE.
- 1000VDC ISOLATION.
- UNREGULATED OUTPUT TYPES.
- UL 94V-0 PACKAGE MATERIAL.



GENERAL SPECIFICATIONS

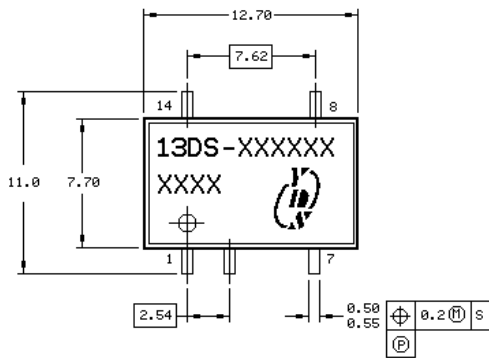
- OUTPUT RIPPLE(20MHz Band limited)
 - 5V OUTPUT TYPES : 100mVp-p MAX
 - 9V OUTPUT TYPES : 150mVp-p MAX
 - 12V OUTPUT TYPES : 180mVp-p MAX
 - 15V OUTPUT TYPES : 190mVp-p MAX
- ISOLATION RESISTANCE :100MΩ MIN @500VDC
- SWITCHING FREQUENCY :100KHz TYP.
- OPERATING TEMPERATURE :0 °C TO 70°C
- EFFICIENCY :70% TYP

ELECTRICAL SPECIFICATIONS

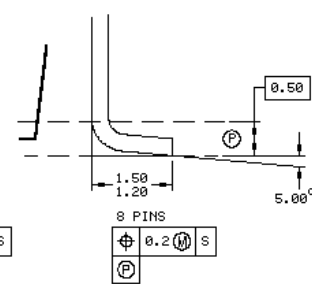
- INPUT VOLTAGE RANGE :±5%
- OUTPUT VOLTAGE TOLERANCE :±5%
- LOAD VOLTAGE REGULATION
 - 5V OUTPUT TYPES :12% TYPICAL 14% MAX
 - 9V,12V AND 15V OUTPUT TYPES : 8.5%MAX
- LINE VOLTAGE REGULATION (10% to 100% full load) :1.2%/1% of V_{IN} MAX

PART NUMBER	INPUT VOLTAGE (VDC)	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)	EFFICIENCY (% TYP.)
13DS-05S05N	5	5	200	70
13DS-05S09N	5	9	110	75
13DS-05S12N	5	12	84	75
13DS-05S15N	5	15	67	75
13DS-12S05N	12	5	200	70
13DS-12S09N	12	9	110	75
13DS-12S12N	12	12	84	75
13DS-12S15N	12	15	67	75

MARKINGS AND DIMENSIONS

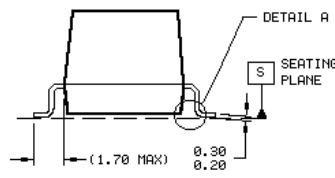
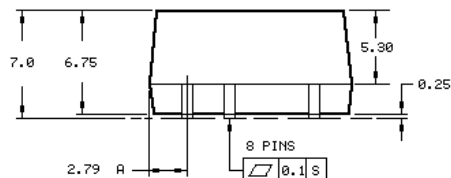


DETAIL A



PIN CONNECTION

PIN	SINGLE OUTPUT
1	-INPUT
3	+INPUT
7	-OUTPUT
8	+OUTPUT
14	NC



Dimensions: inches/mm

Unless otherwise specified, all tolerances are ±.005/±0.13