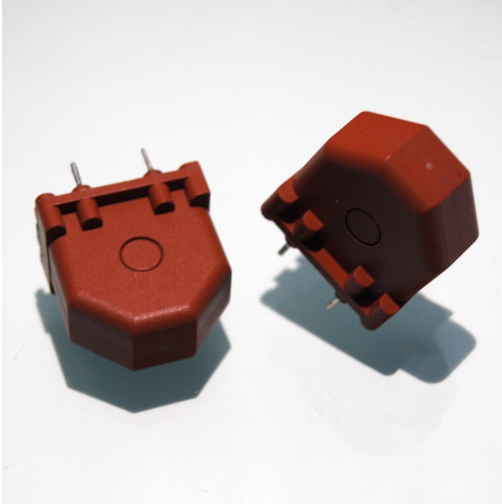


DSNP7064

Power Line coupling circuits Transformer



This transformer specially had been designed for building up reliable coupling circuits linked to the Echelon® Power Line transceiver for LONWORKS® platforms. Its galvanic isolation liable isolates the Power Line to the net voltage. It meets the Echelon® recommended characteristics and it is suitable for usage in A-, B- and C-band.

Electrical specification @25°C

Turns ratio:

W1:W2=1:1 with N turns each
(min N-1:N, max N+1:N)

Ls(W1):

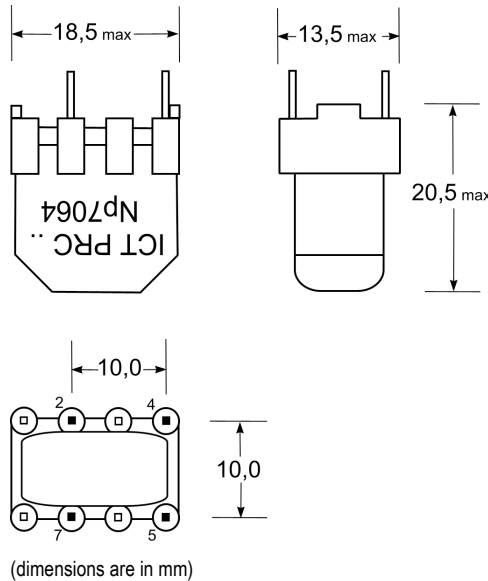
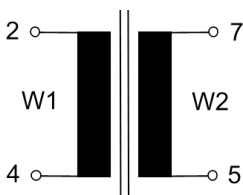
0,79~2,0mH @100kHz, 10V

C_{ww}:

11~50pF @100kHz (or 10kHz), 1,0V,
short pin 2+4, 7+5

R_{dc}:

(W1); (W2): 0,17Ω max.



Core material: Ferrite

Storage temperature: -40°C to +80°C

Soldering: Up to 2 soldering processes possible, first one at 260°C peak and second one with 245°C peak, each for a duration at tp30seconds maximum.

Packing: Bulk packing style with 78pc/tray; 12trays/carton box.

The transformer is compliant with the European Union restriction of hazardous substances (RoHS) directive (2002/95/ED). Its solder profile uses lead free reflow assembly profile.



Part number	SAP order number	Operating temperature	Hi-Pot (W1toW2) @50Hz, 2mA, 2Sec
NP2012-7064 Rev.B	XYZICTNP20127064	-40°C ~ +85°C	4000VAC

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