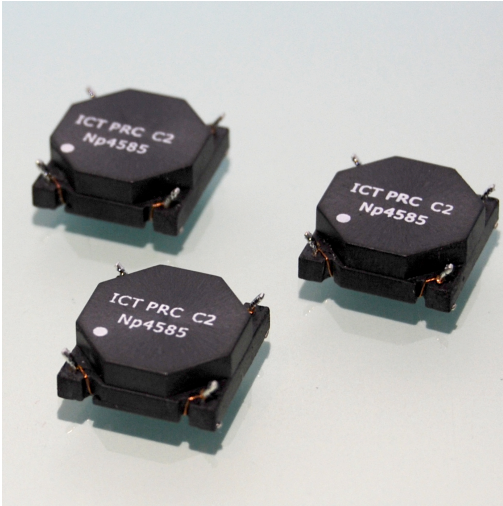


Low profile surface mount Communications Transformer



The ICT communications transformer series specially had been designed to meet customers requirement on high electrical performance with an extra low profile to be used in application with less space availability. These transformers are developed for the use with Echelon® TP/FT smart transceiver for LONWORKS® platforms. At a height of only 6,5mm it can be used in nearly all application.

Electrical specification @23°C

Turns ratio:

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

LL(W1):

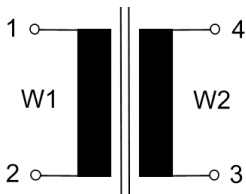
300µH max @10kHz, 100mV,
short pin 3+4

C_{ww}:

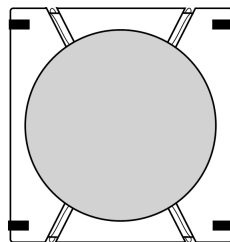
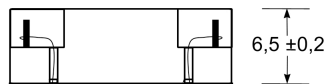
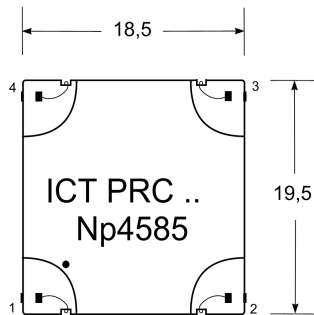
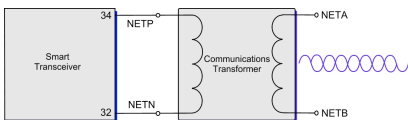
6pF max @100kHz (or 10kHz), 1,0V,
short pin 1+2, 3+4

R_{DC}:

(W1); (W2): 12,5Ω max.



Communications Transformer Pinout Diagram:



(dimensions are in mm)

Core material: Ferrite

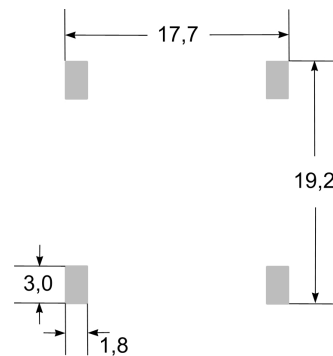
Storage temperature: -40°C to +80°C

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: tape&reel packing style with 400pc/reel; 5reels/carton box; 30 carton boxes/palette
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.



Recommended land pattern:



Part number	SAP order number	Operating temperature	Hi-Pot (W1toW2) @60Hz, 0,5mA, 1Sec
NP2009-4585 Rev.J	XYZICTNP20094585	-25°C ~ +85°C	2400VAC
NP2010-5100 Rev.G	XYZICTNP20105100	-40°C ~ +85°C	2400VAC
NP2011-6326 Rev.B	XYZICTNP20116326	-25°C ~ +85°C	3100VAC

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