PRODUCT DATA SHEET

ISDN U_{KO} INTERFACE TRANSFORMER P4020

Features

* Surface mount
* Automatic placement
* Compact size
* Remote power feed

Applications

* ISDN U_{ko}
* NT or CO

DESCRIPTION

P4020 is designed for echo cancellation ISDN U_{ko} systems using the Siemens PEB 2091 chipset. The device can accept a moderate polarizing current, enabling remote power feeding to be employed.

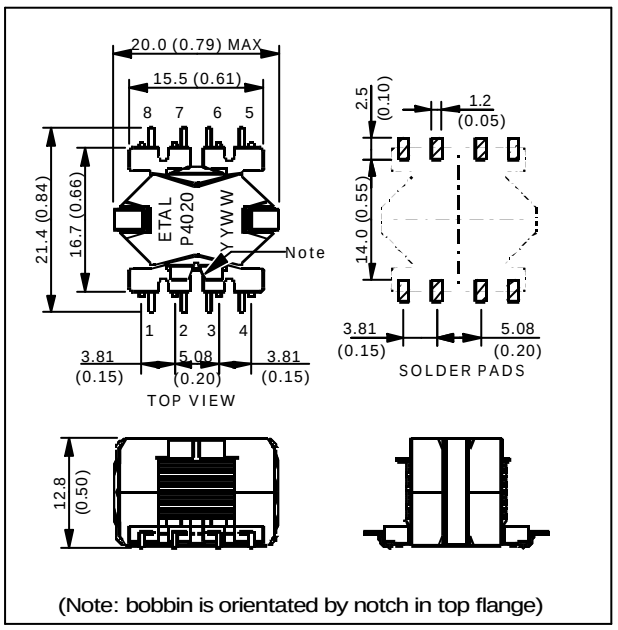
SPECIFICATIONS

Electrical

Typical values at T = 25ºC, unless otherwise stated.

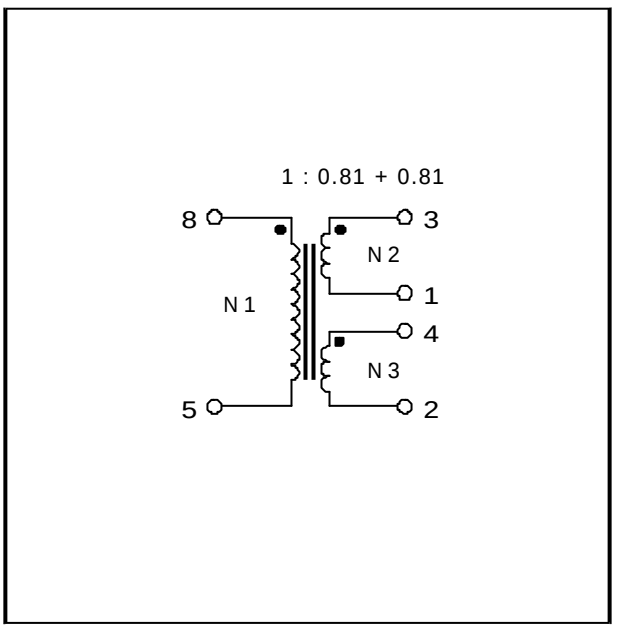
Parameter	Conditions	P4020	Units
Turns Ratio	N1 : N2 + N3	1 : 0.81 + 0.81	-
Primary Inductance	10kHz, 250mV pins 3-2; 1-4 linked	14.5±10%	mH
Leakage inductance	100kHz, 100mV pins 5-8;1,2,3,4 linked	25	µH
Interwinding Capacitance	100kHz, 100mV N1 : N2 + N3	60	pF
DCR	N1 (5-8) N2 (3-1) N3 (4-2)	4 3 3	Ω Ω Ω
Polarizing Current	pins 3-2; 1-4 linked	50	mA
Voltage isolation	5 seconds	2	kVrms

DIMENSIONS

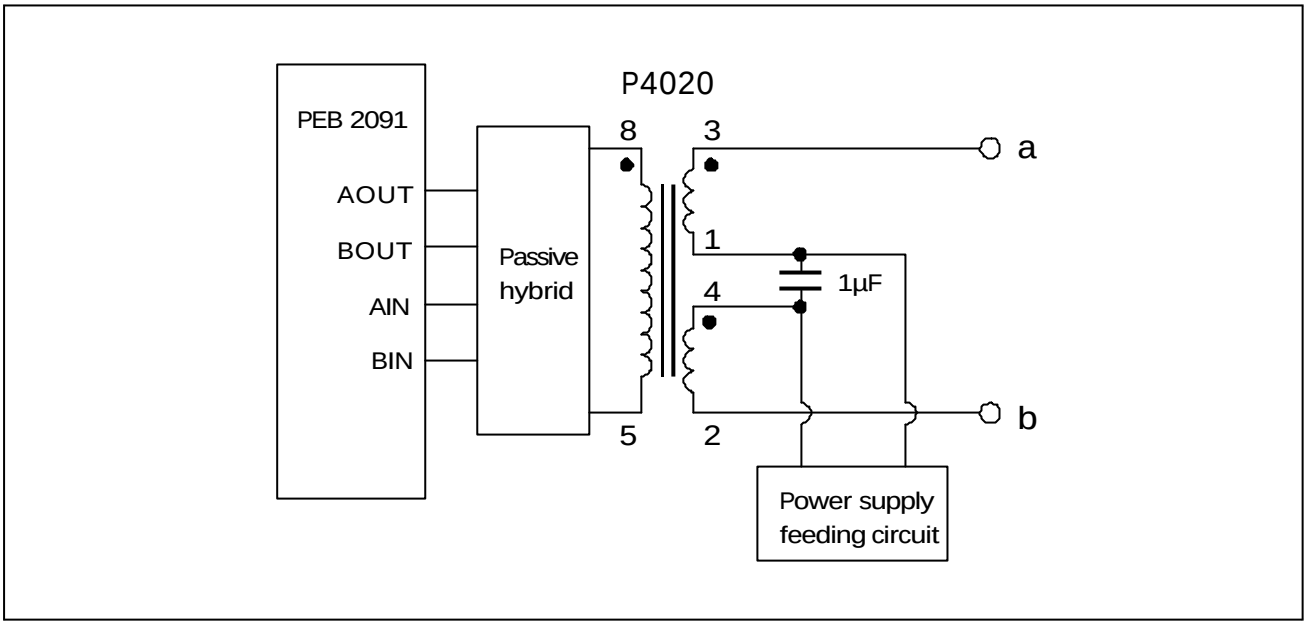


Dimensions shown are in millimetres (inches).

CONNECTIONS



TYPICAL APPLICATION



ABSOLUTE MAXIMUM RATINGS

Storage and operating temperature	-40ºC to +85ºC
Short term isolation voltage (5s)	2kVrms
Reflow / terminal temperature	250ºC

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