SIRIO Inductive Components

www.sirio-ic.it

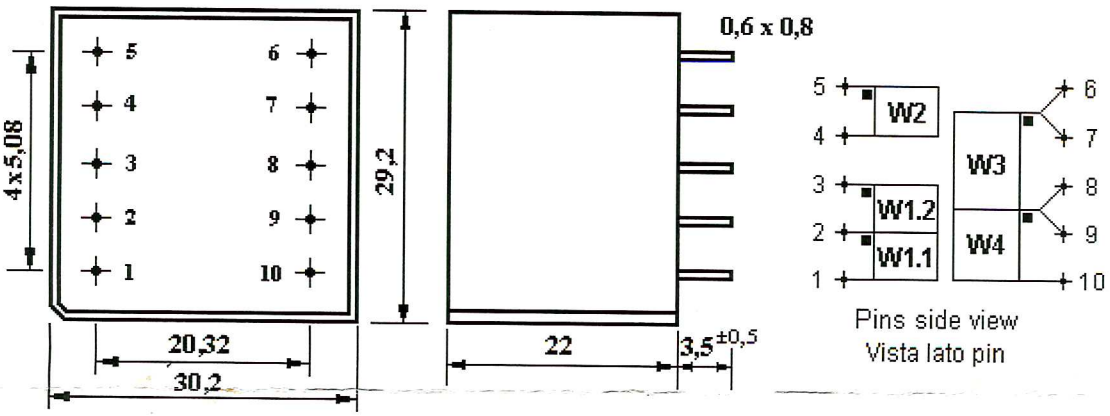
Technical specification: 135071
Specifica tecnica:

Ordering code: 135071
Codice d'acquisto:

Drawing Code: DT01
Codice Disegno:

Sheet: 1/1
Foglio:

220/5 flyback transformer



Values in mm – Misure espresse in mm

Topology Configurazione		Flyback
W1 primary inductance Induttanza primario W1		820 µH
Input voltage Tensione di ingresso		70 ÷ 265 Vrms
Output voltages Tensioni d'uscita	W2: W3: W4:	15 Vdc – 0,05 A 5 Vdc – 7,00 A 15 Vdc – 0,05 A
Working frequency Frequenza di lavoro		133 kHz
W1+W2/W3+W4 pulse insulation voltage Isolamento impulsivo W1+W2/W3+W4		5 kV - 1,2/50 µs
W1+W2/W3+W4 insulation voltage Isolamento W1+W2/W3+W4		3 kVrms 50 Hz 1'
W1/W2 insulation voltage Isolamento W1/W2		1 kVrms 50 Hz 1'

Final Inspections:
Parametri Garantiti al Collaudo:

N°	Parameters Parametri	Values Valori	U.M.	Limits Limiti	Type of inspection Tipo di ispezione
1	**W1 primary inductance** Induttanza primario W1	**820**	**µH**	**±15%**	**100% of pieces** 100% dei pezzi
2	**Turns ratio** Rapporto spire			**O.K.**	**100% of pieces** 100% dei pezzi
3	**Polarity** Polarità			**O.K.**	**100% of pieces** 100% dei pezzi
4	**W1+W2/W3+W4 insulation voltage** Isolamento W1+W2/W3+W4	**3 kVrms** **50 Hz 3"**		**O.K.**	**100% of pieces** 100% dei pezzi
5	**W1/W2 insulation voltage** Isolamento W1/W2	**1 kVrms** **50 Hz 3"**		**O.K.**	**100% of pieces** 100% dei pezzi

Rev.: **Date:** 12-04-2010 (Data) **Prepared** (U.T.) G. Repato **Checked** (C.Q.) P. Fergno **Approved** (Vista) M. Sirio

SIRIO Inductive Components

TEST REPORT
Verifica tecnica

Code: 135071
Codice

Batch: 1015
Lotto

Drawing Code: VT01
Codice disegno

Sheet 1/1
Foglio

Product Presentation: These samples were built according to the last agreements.

Internal construction:

Primary winding W1:	74(=2x37) turns	enamelled copper wire Ø=0,315 mm
Auxiliary windings W2, W4:	10 turns	enamelled copper wire Ø=0,200 mm
Secondary winding W3:	4 turns	copper foil 12x0,20 mm
Total central airgap:	0,50 mm	

Measurement conditions for tests N° 1, 2, 3, 4: 250 mVac – 10 kHz

N°	Test/Misure	Sample n°/Campione n°				
		1	2	3	4	5
1	**Turns ratio** Rapporto spire	O.K.	O.K.	O.K.	O.K.	
2	**Polarity** Polarità	O.K.	O.K.	O.K.	O.K.	
3	**W1 primary inductance** Induttanza primaria W1 [µH]	759	742	760	759	
4	**Leakage inductance (W3, W4 in s.c.)** Induttanza dispersa (W3, W4 in c.c.) [µH]	17	15	17	16	
5	**W1 primary winding resistance** Resistenza avvolgimento primario W1 [mΩ]	767	758	779	765	
6	**W1+W2/W3+W4 insulation voltage** Isolamento W1+W2/W3+W4 3 kVrms 50 Hz 1'	O.K.	O.K.	O.K.	O.K.	
7	**W1/W2 insulation voltage** Isolamento W1/W2 1 kVrms 50 Hz 1'	O.K.	O.K.	O.K.	O.K.	
8	**W1+W2/W3+W4 pulse insulation voltage** Isolamento impulsivo W1+W2/W3+W4 5 kV - 1,2/50 µs	O.K.	O.K.	O.K.	O.K.	
9						
10						

Checked by:
Verificati da G. Repato

Date: 16-04-2010
Data

Sign
Firma

SIRIO Inductive Components

Technical specification: 135072
Specifica tecnica:

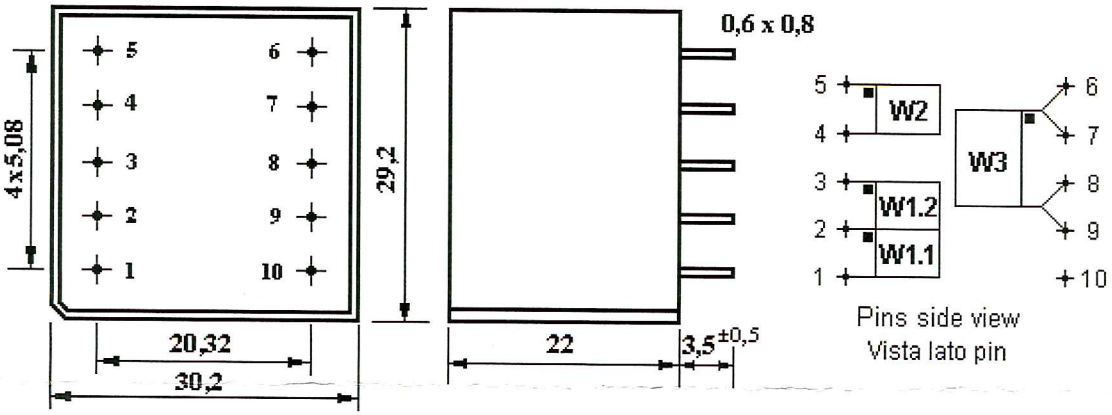
Ordering code: 135072
Codice d'acquisto:

Drawing Code: DT01
Codice Disegno:

Sheet: 1/1
Foglio:

www.sirio-ic.it

220/24 flyback transformer



Values in mm – Misure espresse in mm

Topology Configurazione		Flyback
W1 primary inductance Induttanza primario W1		820 µH
Input voltage Tensione di ingresso		70 ÷ 265 Vrms
Output voltages Tensioni d'uscita	W2: W3:	15 Vdc – 0,05 A 24 Vdc – 1,60 A
Working frequency Frequenza di lavoro		133 kHz
W1+W2/W3 pulse insulation voltage Isolamento impulsivo W1+W2/W3		5 kV - 1,2/50 µs
W1+W2/W3 insulation voltage Isolamento W1+W2/W3		3 kVrms 50 Hz 1'
W1/W2 insulation voltage Isolamento W1/W2		1 kVrms 50 Hz 1'

Final Inspections:
Parametri Garantiti al Collaudo:

N°	Parameters Parametri	Values Valori	U.M.	Limits Limiti	Type of inspection Tipo di ispezione
1	**W1 primary inductance** Induttanza primario W1	**820**	**µH**	**±15%**	**100% of pieces** 100% dei pezzi
2	**Turns ratio** Rapporto spire			**O.K.**	**100% of pieces** 100% dei pezzi
3	**Polarity** Polarità			**O.K.**	**100% of pieces** 100% dei pezzi
4	**W1+W2/W3 insulation voltage** Isolamento W1+W2/W3	**3 kVrms** **50 Hz 3"**		**O.K.**	**100% of pieces** 100% dei pezzi
5	**W1/W2 insulation voltage** Isolamento W1/W2	**1 kVrms** **50 Hz 3"**		**O.K.**	**100% of pieces** 100% dei pezzi

Rev.:	Date: 12-04-2010 Data	Prepared U.T.	Checked C.Q.	Approved Visto
		G. Repato	P. Fagnoni	M. Sirio

SIRIO Inductive Components

TEST REPORT
Verifica tecnica

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Sheet 1/1
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Product Presentation: These samples were built according to the last agreements.

Internal construction:

Primary winding W1:	74(=2x37) turns	enamelled copper wire Ø=0,315 mm
Auxiliary winding W2:	12 turns	enamelled copper wire Ø=0,315 mm
Secondary winding W3:	24 turns	enamelled copper wire 2xØ=0,5 mm
Total central airgap:	0,50 mm	

Measurement conditions for tests N° 1, 2, 3, 4: 250 mVac – 10 kHz

N°	Test/Misure	Sample n°/Campione n°				
		1	2	3	4	5
1	**Turns ratio** Rapporto spire	O.K.	O.K.	O.K.	O.K.	
2	**Polarity** Polarità	O.K.	O.K.	O.K.	O.K.	
3	**W1 primary inductance** Induttanza primaria W1 [µH]	760	753	752	762	
4	**Leakage inductance (W3 in s.c.)** Induttanza dispersa (W3 in c.c.) [µH]	8,6	9,4	9,2	8,8	
5	**W1 primary winding resistance** Resistenza avvolgimento primario W1 [mΩ]	715	720	717	720	
6	**W3 secondary winding resistance** Resistenza avvolgimento secondario W3 [mΩ]	95	96	95	95	
7	**W1+W2/W3 insulation voltage** Isolamento W1+W2/W3 3 kVrms 50 Hz 1'	O.K.	O.K.	O.K.	O.K.	
8	**W1/W2 insulation voltage** Isolamento W1/W2 1 kVrms 50 Hz 1'	O.K.	O.K.	O.K.	O.K.	
9	**W1+W2/W3 pulse insulation voltage** Isolamento impulsivo W1+W2/W3 5 kV - 1,2/50 µs	O.K.	O.K.	O.K.	O.K.	
10						

Checked by:
Verificati da G. Repato

Date: 14-04-2010
Data

Sign
Firma