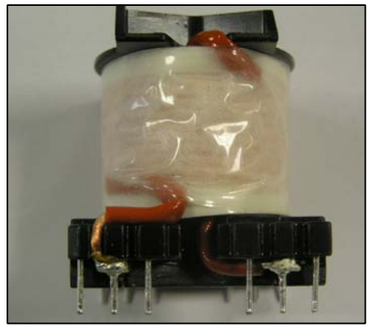
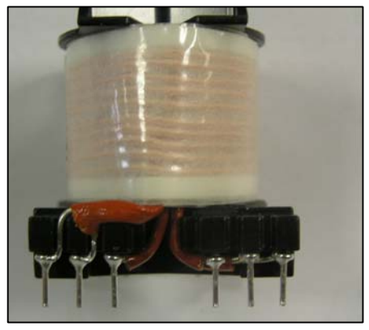
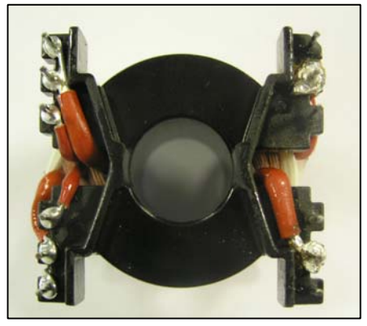
AVV. Wind.	CONDUTTORE Wire	Nr. SPIRE Nr. of turns	Rot.	PIN DI USCITA Pin output	SPIRE STRATO Turns per layer	Nr. STRATI Nr. of layers	TUBETTO Sleeve Rif.	TUBETTO Sleeve LUNGH. lenght mm.	NOTE Remarks
N1a	Litz 135xø0.10 Rif.3	0 10	+	5 *	10	1	8 8	30 30	ESEGUIRE 3 GIRI DI SPONDINA RIF.14 AMBO I LATI. LASCIARE 120CM DI SCORTA LATO OPPOSTO PIN. BLOCCARE FINE CON BANDIERINA RIF.7 Perform 3 turns of tape ref.14 on each side. Leave 120cm of spare on the opposite side of pin. Block with a piece of tape ref.7
ISOLAMENTO: Insulation:	3	GIRI DI NASTRO POLIESTERE RIF. turns of polyester tape Ref.	9	E BLOCCARE CON BANDIERINA DI NASTRO RIF. And block with a piece of tape ref.	7				
N2	LAMINA–foil 0.40x0.24 RIF.4	0 4 8	+	11/12 9/10 7/8	4 4	1 1	5 13 13 5	25 20 20 25	INTERCALARE TRA LE SPIRE POLIESTERE RIF.9 PASSAGGIO FILI COME IN FOTO Insert polyester tape ref.9 between the turns. See pictures for the crossing of wires
ISOLAMENTO: Insulation:	3	GIRI DI NASTRO POLIESTERE RIF. turns of polyester tape Ref.	9	E BLOCCARE CON BANDIERINA DI NASTRO RIF. And block with a piece of tape ref.	7				
N1b	Litz 135xø0.10 Rif.3	0 10	+	* 2	10	1	– 8	– 30	ESEGUIRE 3 GIRI DI SPONDINA RIF.14 AMBO I LATI. Perform 3 turns of tape ref.14 on each side.
ISOLAMENTO: Insulation:	3	GIRI DI NASTRO ADESIVO POLIESTERE RIF. turns of polyester adhesive tape Ref.	6						

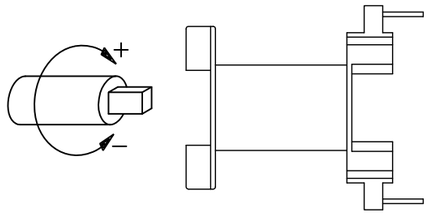
N.B.
ESEGUIRE I GIRI DI NASTRO PRECISI. PASSAGGIO FILI COME IN FOTO
Accurate turns of tape. See pictures for the crossing of wires



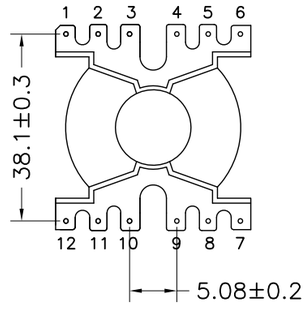




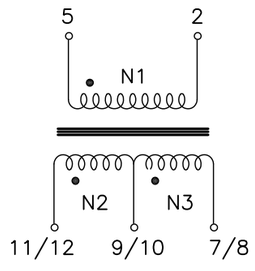
POSIZIONAMENTO ROCCHETTO
Positioning of the coilformer



VISTA LATO PIN
Bottom view



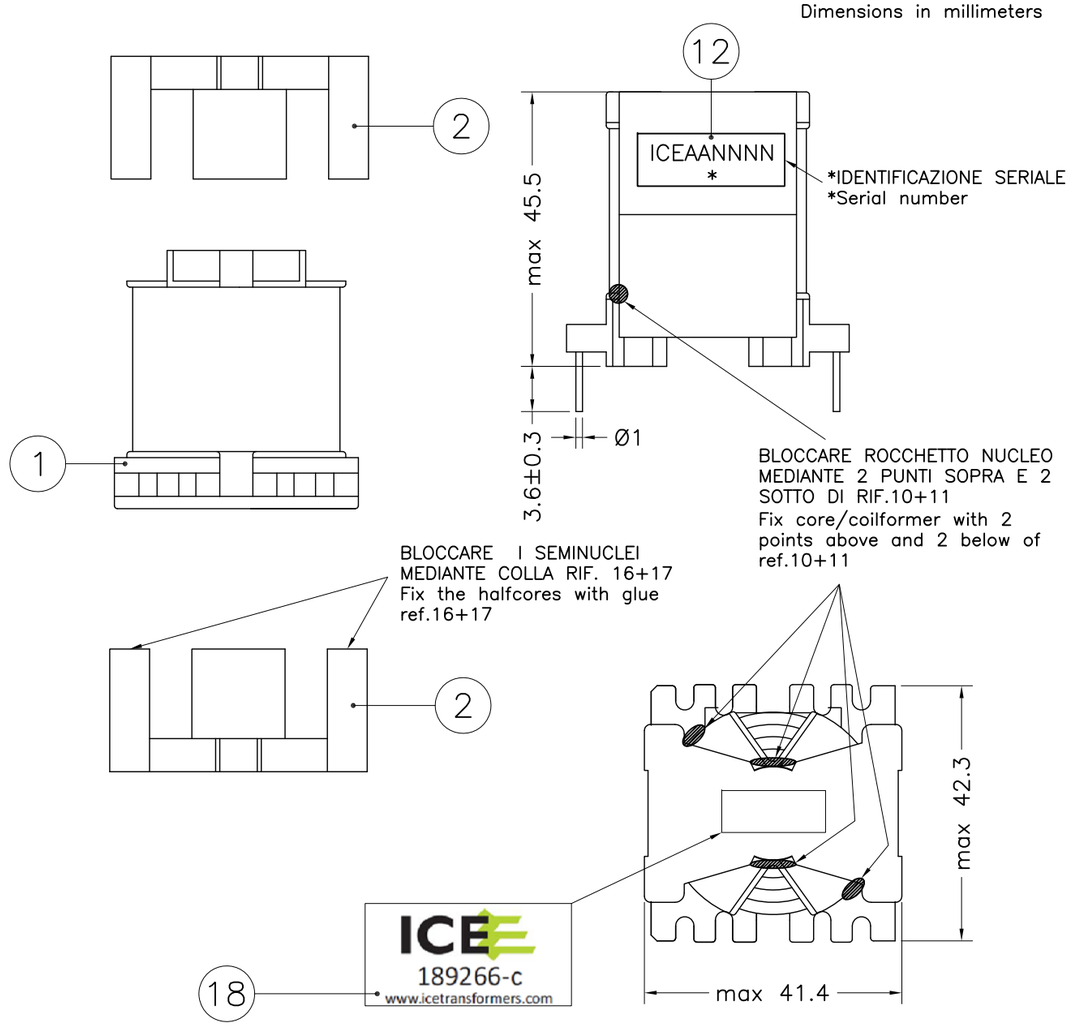
SCHEMA ELETTRICO
Electrical diagram



MONTAGGIO – Assembling

2011/65/UE (RoHS–2) Compliant

DIMENSIONI IN MILLIMETRI
Dimensions in millimeters



COLLAUDO ELETTRICO – Electrical checking

N°.	TIPO DI PROVA – Test	CONDIZIONI DI PROVA – Test Conditions	LIMITI – Limits
1	INDUTTANZA Inductance	5–2 @ 10 kHz – 100 mV	0.85 ÷ 1.15 mH
2	RAPPORTO SPIRE Turns ratio	TRA TUTTI GLI AVV. Between all windings @ 10kHz – 100mV	< 1 SPIRA Turn
3	INDUTTANZA DISPERSA Leakage inductance	5–2 @ 10 kHz – 100 mV – 11+12+9+10+7+8 c.c.	< 2.1 µH
4	RIGIDITÀ DIELETTRICA Dielectric strength	5+2/11+12+9+10+7+8 @ 3000 V – 50 Hz – 1 sec.	SUPERARE LA PROVA pass the test

REV Rev	DATA APPR Appr. Date	RIF. MOD. Ref. Mod.	DESCRIZIONE MODIFICA Description of modification	REDAZIONE Editing	VERIFICA E APPROVAZIONE Check and approval
01	15.01.16		EMISSIONE – Release	C. Picciani	D. Di Giorgio

I.C.E. TRANSFORMERS

Mod. AQ 05.09

DESCRIZIONE–Description: **Transformer PQ 40/40 (189266–c)**

DOCUMENTO–Document	CODICE–Part Number	REV.–Revision	DATA EMISSIONE–Release date	PAG.–Page
P.F.	8065.0804.003	01	15.01.16	1/1

TRANSFORMERS

Bill of Material Item: 8065.0804.003 *Transformer PQ 40/40 189266-c*

Variant	Upd. Last	Execution	Approval
0000	18/01/2016	1027 DI GIORGIO DAVIDE 16/03/2015	1027 DI GIORGIO DAVIDE 16/03/2015

Components

Ref.	Component			Quantity	Notes
01	0226.0104.003	PQ4040 12pin mat. T375J - E59481 B65884-E12-D1	N	1	0226.0104.006 (mat.PM9820 - E41429)
02	0904.1304.025	Set Core PQ4040 Total Gap 0.03±0.01mm PQ4040-3C96	N	1	.024(N97) , 026(PL11) ,027(TP4-A)
03	1007.1707.001	Litz 135x0.10mm G1 - Polysol155 E125650	KG	0,019	
04	1014.0125.014	Copper foil th.0.40mm H 24mm ETP	KG	0,07	
05	1611.5201.008	Glass/silicone sleeve Ø1.5mm L=25mm 4kV GVES2500 - E311983	N	2	
06	1614.0301.005	Polyester tape 155°C th.0.13mm H=26mm PT.20-20 - E178430	CM	55	
07	1614.0301.020	Polyester tape 155°C th.0.13mm H=14mm PT.20-20 - E178430	CM	18	
08	1611.5201.001	Glass/silicone sleeve Ø1.5mm L=30mm 4kV GVES2500 - E311983	N	3	
09	1609.2379.001	Polyester tape H=26.5mm th.0.05mm E175868	KG	0,003	
10	1910.0102.004	Epoxy resin 36-T	KG	0	
11	1909.0103.002	Activator for epoxy resin IN1005	KG	0	
12	3206.0121.001	Polyester label 7816 - MH16411	N	1	
13	1611.5001.004	Glass/silicone sleeve Ø1.0mm L=20mm 4kV GVES2500 - E311983	N	2	
14	1614.0203.003	Polyester tape th.0.45mm H=3mm 201-45 - E175868	CM	100	
15	1001.0301.012	Tinned wire Ø1mm L=100mm	N	6	
16	1901.0001.005	Anaerobic glue working temp. --55/+175 ° 648	N	0	
17	1911.0000.002	Activator for anaerobic glue 7649	N	0	
18	3206.0702.005	Label PVC 24x12mm custom 189266-c .	N	1	