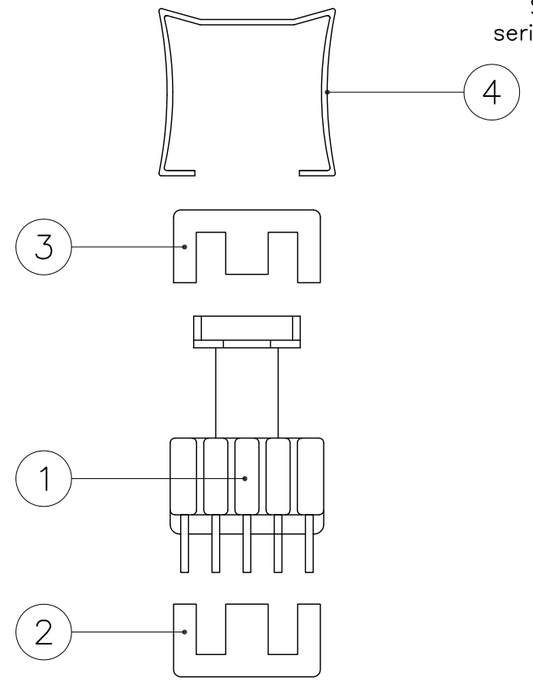
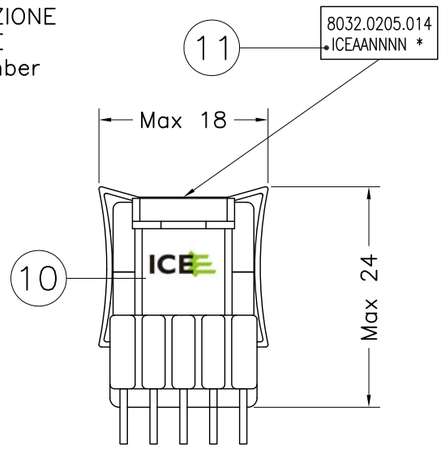
| AVV. Wind. | CONDUTTORE Wire | Nr. SPIRE Nr. of turns | Rotaz | PIN DI USCITA Pin output | CAVA USCITA Exit slot | SPIRE STRATO Turns per layer | Nr. STRATI Nr. of layers | NOTE Remarks |
|---|---|---|---|---|---|---|---|---|
| N1 | Filo rame ø 0.13 Rif.5 | 0<br>70 | + | 1<br>2 | 1/2<br>2/3 | 65 | 2 | ULTIME 5 SPIRE DISTRIBUITE SULL'INTERA GOLA<br>Spread last 5 turns |
| ISOLAMENTO: 3 Insulation: | GIRI DI NASTRO ADESIVO POLIESTERE RIF. turns of polyester adhesive tape Ref. 6 | | | | | | | |
| N2 | TEX–E025 Rif.7 | 0<br>4 | + | 8<br>7 | 8/9<br>7/8 | 4 | ½ | AVVOLGERE SU META' STRATO<br>Wind on half layer |
| ISOLAMENTO: Insulation: | | | | | | | | |
| N3 | TEX–E025 Rif.7 | 0<br>5 | + | 7<br>6 | 7/8<br>6/7 | 5 | ½ | AVVOLGERE SU META' STRATO DI SEGUITO A N2<br>Wind on half layer following N2 |
| ISOLAMENTO: 3 Insulation: | GIRI DI NASTRO ADESIVO POLIESTERE RIF. turns of polyester adhesive tape Ref. 6 | | | | | | | |
| N4 | Filo rame ø 0.20 Rif.6 | 0<br>18 | + | 4<br>5 | 4/5<br>4/5 | 18 | 1 | |
| ISOLAMENTO: 1 Insulation: | GIRI DI NASTRO ADESIVO POLIESTERE RIF. turns of polyester adhesive tape Ref. 6 | | | | | | | |
| N5 | Filo rame ø 0.13 Rif.5 | 0<br>70 | + | 2<br>3 | 2/3<br>3/4 | 60 | 2 | ULTIME 10 SPIRE DISTRIBUITE SULL'INTERA GOLA<br>Spread last 10 turns |
| ISOLAMENTO: 3 Insulation: | GIRI DI NASTRO ADESIVO POLIESTERE RIF. turns of polyester adhesive tape Ref. 6 | | | | | | | |

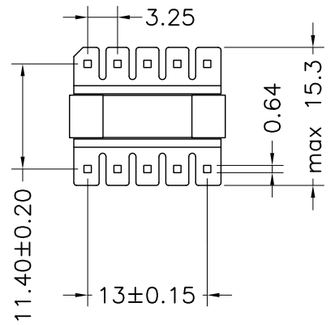
difference between Rev 02 & 03 is the cover with captonfoil of the transformer

## MONTAGGIO – Assembling




*IDENTIFICAZIONE SERIALE
serial number




APPLICARE UN GIRO DI KAPTON RIF.12 DOPO IL MONTAGGIO
Apply one turn of tape ref.12 after assembling

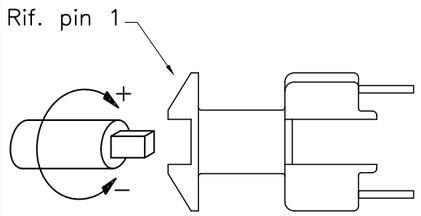


IMPREGNARE IN RESINA RIF.9
Varnish with resin ref.9

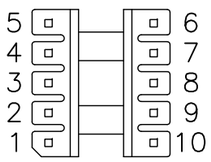
2011/65/UE (RoHS–2) Compliant

DIMENSIONI IN MILLIMETRI
Dimensions in millimeters

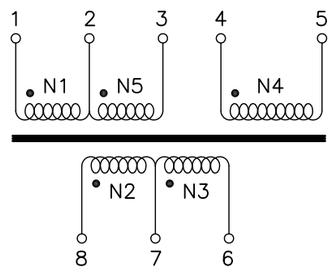
### POSIZIONAMENTO ROCCHETTO
Positioning of the coilformer




### PIEDINATURA (VISTA DAL BASSO)
Pin–out (bottom view)




### SCHEMA ELETTRICO
Electrical diagram




## COLLAUDO ELETTRICO – Electrical checking

| N°. | TIPO DI PROVA – Test | CONDIZIONI DI PROVA – Test Conditions | LIMITI – Limits |
|---|---|---|---|
| 1 | INDUTTANZA Inductance | 1–3 @ 10 kHz – 100 mV | 3.82 ÷ 4.67 mH |
| 2 | RAPPORTO SPIRE Turns ratio | TRA TUTTI GLI AVV. Between all windings @ 10kHz – 100mV | < 1 SPIRA Turn |
| 3 | RIGIDITÀ DIELETTRICA Dielectric strength | 1+2+3/7+8+9 @ 3000 V – 50 Hz – 2 sec. | SUPERARE LA PROVA pass the test |
| 4 | RIGIDITÀ DIELETTRICA Dielectric strength | 1+2+3/4+5 @ 500 V – 50 Hz – 2 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 |
|---|---|---|---|---|---|
| 03 | 29.11.16 | | AGGIUNTA NASTRATURA IN KAPTON – added kapton tape | C. Picciani | D. Di Giorgio |
| 02 | 03.02.16 | | MODIFICATO NUMERO SPIRE – changed number of turns | C. Picciani | D. Di Giorgio |
| 01 | 12.10.15 | | EMISSIONE – Release | C. Picciani | D. Di Giorgio |

I.C.E. TRANSFORMERS

| DESCRIZIONE–Description | Bias Transformer 800W EF16V (800W/PSU/Transf._3V3 out) | | | |
|---|---|---|---|---|
| DOCUMENTO–Document | CODICE–Part Number | REV.–Revision | DATA EMISSIONE–Release date | PAG.–Page |
| P.F. | 8032.0205.014 | 03 | 12.10.15 | 1/1 |

Mod. AQ 05.09

TRANSFORMERS

## *Bill of Material Item:* 8032.0205.014 *Bias Transformer 800W EF16V 800W/PSU/Transf._3V3 out*

| Variant | Upd. Last | Execution | Approval |
|---|---|---|---|
| 0000 | 28/11/2016 | 1027 DI GIORGIO DAVIDE<br>05/10/2015 | 1027 DI GIORGIO DAVIDE<br>05/10/2015 |

## *Components*

| Ref. | Component | | | Quantity | Notes |
|---|---|---|---|---|---|
| 01 | 0203.0305.026 | Coilformer EF16 vertical 10 pins<br>mat. PM9630 - E41429 | N | 1 | |
| 02 | 0904.0505.026 | Half core EF16<br>B66307-G-X187 | N | 1 | 077(TP4A), 080 (DMEG44) or eq. |
| 03 | 0904.0505.038 | Half Core EF16 Gap 0.10mm<br>B66307-G100-X187 | N | 1 | |
| 04 | 0106.0105.001 | Clip for EF16<br>78941-85 | N | 1 | |
| 05 | 1007.1065.001 | Copper wire Ø0.13mm G1 class F (155°C)<br>MW-79 - E125650 | KG | 0,001 | |
| 06 | 1007.1017.001 | Copper wire Ø0.20mm G1 class F (155°C)<br>MW-79 - E125650 | KG | 0 | |
| 07 | 1009.0401.010 | Triple Insulated Winding Wire 0.25mm<br>STW-B 0.25 - E242198 | M | 0,6 | 010 (TEX-E - E206440) or equivalent |
| 08 | 1614.0101.059 | Polyester adhesive tape H10 th.0.06mm<br>P-31 Sun Yellow - E178430 | CM | 32 | |
| 09 | 1904.0102.003 | Varnish thermall class F (155°C)<br>AC41 - E317427 | LT | 0 | |
| 10 | 3206.0704.001 | PVC label 8x6mm<br>. | N | 1 | |
| 11 | 3206.0119.001 | Polyester label<br>7816 - MH16411 | N | 2 | |
| 12 | 1606.2201.044 | Kapton tape th.0.05mm H=25.5mm<br>type 911-32 - E175868 | CM | 8 | |