

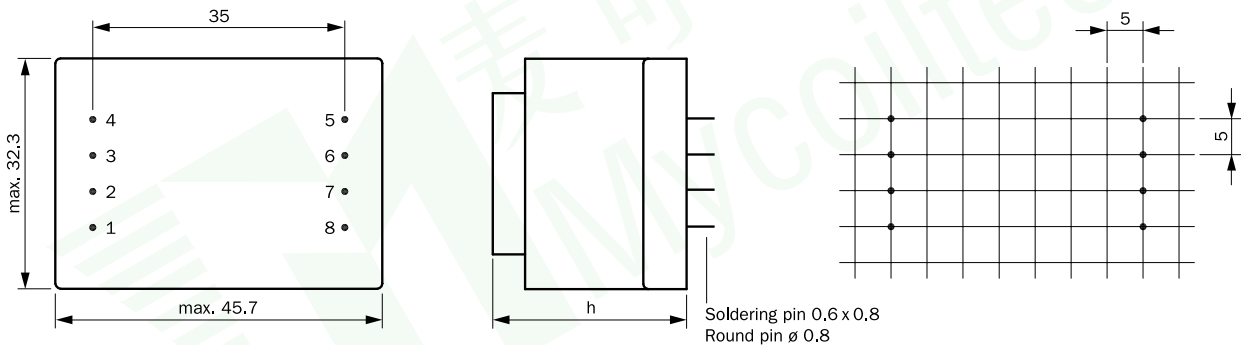
Flat-type Printed-Circuit-Board transformers with small base areas

Output Power: 1.6 VA – 8.0 VA

- Primary voltages up to 230 V
- Secondary voltages from 2 V to max. 38 V
- Output Power up to 8.0 VA
- Temperature class ta 70 °C
- Short-circuit-proof
- Vacuum-encapsulated, bobbin with dual chamber windings
- Per item tested quality with certificate
- Excellent temperature fluctuation resistance properties
- Self-extinguishing cast housing and sealing material
- Minimal size available

The EI 34 Series provides solutions for applications requiring low heights and a small base areas. MCT offers rapid and economic problem solutions for customer applications especially developed by our experienced R&D development engineers. Short-circuit-proof and non short-circuit-proof transformers are available in five different stacking heights. Outputs from 1.6 VA to 8.0 VA, at an ambient temperature of 70 °C, are supplied to meet customer requirements in encapsulated versions.

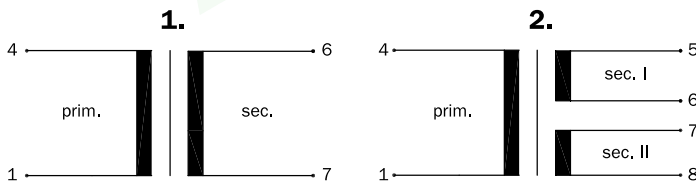
Connecting pins



View looking onto pins

Dimensions without tolerances ± 0.3 mm, rights to make alterations and improvements hereby reserved

Connection scheme (only connected pins are present)



2.) double voltage – bridge: 6 + 7, double current – bridge: 5 + 7/6 + 8

Frame size/Core height	Output Power Ta 70° C inherently Short-circuit-proof	Output Power Ta 70° C Non short-circuit-proof	Height(h)	Weight
MCT EI 341/ 5.5 mm	1.6V/A	-	16.2mm	75g
MCT EI 342/ 7.5mm	2.0 V/A	-	18.1mm	90g
MCT EI 343/10.5mm	2.4 V/A	3.0V/A	21.0mm	120g
MCT EI 344/16.5mm	-	5.0V/A	26.9mm	165g
MCT EI 345/26.0mm	-	8.0V/A	36.7mm	245g

Flat-type Printed-Circuit-Board transformers with small base areas

Output Power: up to 2.4 VA

1.6 VA ta 70 °C

Frame size/Core height

MCT EI 341 /5.5 mm

Inherently short-circuit proof

no load power loss

type. 1.7 W

Order No.	Primary Voltage V	Connecting pins prim.	Secondary voltage V	Current sec.mA	Connecting pins sec.	No-load Voltage V	Connection scheme
MCT EI 341 0001	230	1-4	1×6	266	6-7	1×10.0	1
MCT EI 341 0002	230	1-4	2×6	133	5-6/7-8	2×9.7	2
MCT EI 341 0003	230	1-4	1×7.5	213	6-7	1×12.8	1
MCT EI 341 0004	230	1-4	2×7.5	107	5-6/7-8	2×13.5	2
MCT EI 341 0005	230	1-4	1×9	178	6-7	1×15.1	1
MCT EI 341 0006	230	1-4	2×9	89	5-6/7-8	2×15.1	2
MCT EI 341 0007	230	1-4	1×12	133	6-7	1×19.6	1
MCT EI 341 0008	230	1-4	2×12	67	5-6/7-8	2×20.3	2
MCT EI 341 0009	230	1-4	1×15	107	6-7	1×25.5	1
MCT EI 341 0010	230	1-4	2×15	53	5-6/7-8	2×24.7	2
MCT EI 341 0011	230	1-4	1×18	89	6-7	1×30.1	1
MCT EI 341 0012	230	1-4	1×21	76	6-7	1×35.6	1
MCT EI 341 0013	230	1-4	1×24	67	6-7	1×39.6	1

2.0 VA ta 70 °C

Frame size/Core height

MCT EI 342 /7.5 mm

Inherently short-circuit proof

no load power loss

type. 1.0 W

Order No.	Primary Voltage V	Connecting pins prim.	Secondary voltage V	Current sec.mA	Connecting pins sec.	No-load Voltage V	Connection scheme
MCT EI 342 0014	230	1-4	1×6	333	6-7	1×10.7	1
MCT EI 342 0015	230	1-4	2×6	167	5-6/7-8	2×10.7	2
MCT EI 342 0016	230	1-4	1×7.5	266	6-7	1×13.5	1
MCT EI 342 0017	230	1-4	2×7.5	133	5-6/7-8	2×13.5	2
MCT EI 342 0018	230	1-4	1×9	222	6-7	1×15.6	1
MCT EI 342 0019	230	1-4	2×9	111	5-6/7-8	2×16.1	2
MCT EI 342 0020	230	1-4	1×12	167	6-7	1×21.4	1
MCT EI 342 0021	230	1-4	2×12	83	5-6/7-8	2×21.4	2
MCT EI 342 0022	230	1-4	1×15	133	6-7	1×27.0	1
MCT EI 342 0024	230	1-4	1×18	111	6-7	1×31.4	1
MCT EI 342 0025	230	1-4	1×21	95	6-7	1×37.6	1
MCT EI 342 0026	230	1-4	1×24	84	6-7	1×43.2	1

2.4 VA ta 70 °C

Frame size/Core height

MCT EI 343 /10.5 mm

Inherently short-circuit proof

no load power loss

type. 0.7 W

Order No.	Primary Voltage V	Connecting pins prim.	Secondary voltage V	Current sec.mA	Connecting pins sec.	No-load Voltage V	Connection scheme
MCT EI 343 0027	230	1-4	1×6	400	6-7	1×10.4	1
MCT EI 343 0028	230	1-4	2×6	200	5-6/7-8	2×10.4	2
MCT EI 343 0029	230	1-4	1×7.5	320	6-7	1×13.3	1
MCT EI 343 0030	230	1-4	2×7.5	160	5-6/7-8	2×13.3	2
MCT EI 343 0031	230	1-4	1×9	267	6-7	1×16.1	1
MCT EI 343 0032	230	1-4	2×9	134	5-6/7-8	2×15.4	2
MCT EI 343 0033	230	1-4	1×12	200	6-7	1×20.8	1
MCT EI 343 0034	230	1-4	2×12	100	5-6/7-8	2×20.2	2
MCT EI 343 0035	230	1-4	1×15	160	6-7	1×26.8	1
MCT EI 343 0037	230	1-4	1×18	134	6-7	1×31.2	1
MCT EI 343 0038	230	1-4	1×21	114	6-7	1×35.9	1
MCT EI 343 0039	230	1-4	1×24	100	6-7	1×41.2	1

Flat-type Printed-Circuit-Board transformers with small base areas

Output Power: up to 8.0 VA

3.0 VA ta 70 °C

Frame size/Core height
MCT EI 343 /10.5 mm
non short circuit-Proof
no load power loss
type. 1.2 W

Order No.	Primary Voltage V	Connecting pins prim.	Secondary voltage V	Current sec.mA	Connecting pins sec.	No-load Voltage V	Connection scheme
MCT EI 343 0040	230	1-4	1×6	500	6-7	1×10.1	1
MCT EI 343 0041	230	1-4	2×6	250	5-6/7-8	2×10.1	2
MCT EI 343 0042	230	1-4	1×7.5	400	6-7	1×12.3	1
MCT EI 343 0043	230	1-4	2×7.5	200	5-6/7-8	2×12.8	2
MCT EI 343 0044	230	1-4	1×9	333	6-7	1×14.6	1
MCT EI 343 0045	230	1-4	2×9	167	5-6/7-8	2×14.6	2
MCT EI 343 0046	230	1-4	1×12	250	6-7	1×19.1	1
MCT EI 343 0047	230	1-4	2×12	125	5-6/7-8	2×19.1	2
MCT EI 343 0048	230	1-4	1×15	200	6-7	1×23.5	1
MCT EI 343 0049	230	1-4	2×15	100	5-6/7-8	2×24.5	2
MCT EI 343 0050	230	1-4	1×18	167	6-7	1×27.7	1
MCT EI 343 0051	230	1-4	1×21	143	6-7	1×31.9	1
MCT EI 343 0052	230	1-4	1×24	125	6-7	1×36.5	1

5.0 VA ta 70 °C

Frame size/Core height
MCT EI 344 /16.5 mm
non short circuit-proof
no load power loss
type. 1.3 W

Order No.	Primary Voltage V	Connecting pins prim.	Secondary voltage V	Current sec.mA	Connecting pins sec.	No-load Voltage V	Connection scheme
MCT EI 344 0053	230	1-4	1×6	834	6-7	1×8.7	1
MCT EI 344 0054	230	1-4	2×6	417	5-6/7-8	2×8.7	2
MCT EI 344 0055	230	1-4	1×7.5	667	6-7	1×11.0	1
MCT EI 344 0056	230	1-4	2×7.5	334	5-6/7-8	2×11.0	2
MCT EI 344 0057	230	1-4	1×9	555	6-7	1×12.6	1
MCT EI 344 0058	230	1-4	2×9	278	5-6/7-8	2×12.6	2
MCT EI 344 0059	230	1-4	1×12	417	6-7	1×17.3	1
MCT EI 344 0060	230	1-4	2×12	208	5-6/7-8	2×16.5	2
MCT EI 344 0061	230	1-4	1×15	334	6-7	1×21.6	1
MCT EI 344 0062	230	1-4	2×15	167	5-6/7-8	2×21.6	2
MCT EI 344 0063	230	1-4	1×18	278	6-7	1×25.4	1
MCT EI 344 0064	230	1-4	1×21	238	6-7	1×29.6	1
MCT EI 344 0065	230	1-4	1×24	208	6-7	1×31.8	1

8.0 VA ta 70 °C

Frame size/Core height
MCT EI 345 /26.0 mm
non short circuit-proof
no load power loss
type. 1.7 W

Order No.	Primary Voltage V	Connecting pins prim.	Secondary voltage V	Current sec.mA	Connecting pins sec.	No-load Voltage V	Connection scheme
MCT EI 345 0066	230	1-4	1×6	1332	6-7	1×8.2	1
MCT EI 345 0067	230	1-4	2×6	667	5-6/7-8	2×8.2	2
MCT EI 345 0068	230	1-4	1×7.5	1067	6-7	1×10.3	1
MCT EI 345 0069	230	1-4	2×7.5	533	5-6/7-8	2×10.3	2
MCT EI 345 0070	230	1-4	1×9	888	6-7	1×11.6	1
MCT EI 345 0071	230	1-4	2×9	444	5-6/7-8	2×11.6	2
MCT EI 345 0072	230	1-4	1×12	667	6-7	1×15.7	1
MCT EI 345 0073	230	1-4	2×12	333	5-6/7-8	2×15.7	2
MCT EI 345 0074	230	1-4	1×15	533	6-7	1×20.6	1
MCT EI 345 0075	230	1-4	2×15	267	5-6/7-8	2×20.6	2
MCT EI 345 0076	230	1-4	1×18	444	6-7	1×23.1	1
MCT EI 345 0077	230	1-4	1×21	380	6-7	1×26.8	1
MCT EI 345 0078	230	1-4	1×24	334	6-7	1×30.4	1