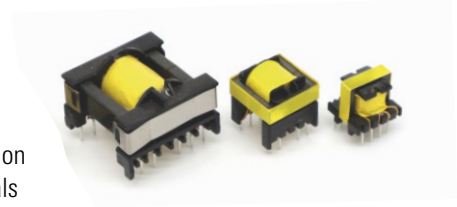

contrafo
INDUCTIVE COMPONENTS
PCB
Product Range
the inductive performance specialist
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Renewable
e-Mobility
Medical
Motor Drives
Ship & Offshore
Transport
Audio

Flyback Transformers - Standard Range

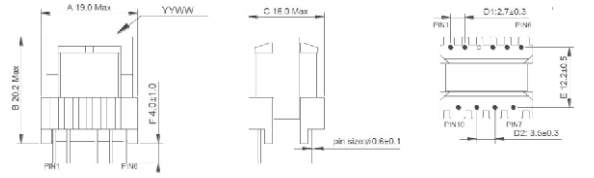
STANDARD RANGE: 1W to 180W
CORE SIZE - EE16 / EL19/ EF20 / EE25 / ETD29 / ERL28 / ETD39 / ETD44



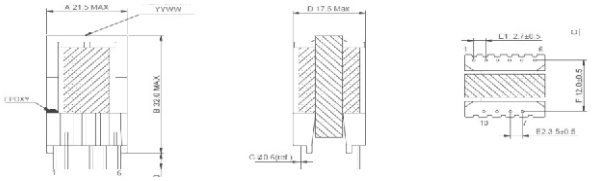
FEATURES

- Primary / Secondary Insulation ⩾ 4000V
- Creepage distance Primary / Secondary ⩾ 6mm
- Ambient temperature ⩽ 85°C
- Construction conforms to IEC950, IEC335, IEC61558 for reinforced insulation
- Exclusively uses UL94-V0 listed materials

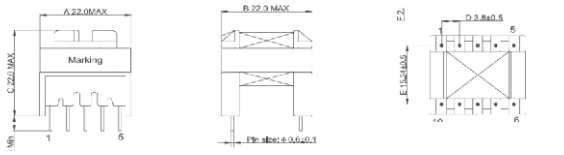
E16



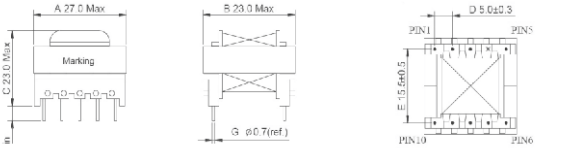
EL19



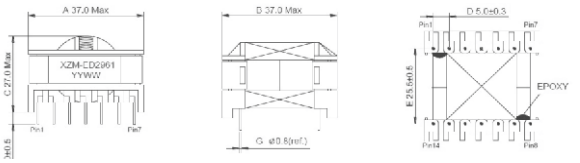
EF20



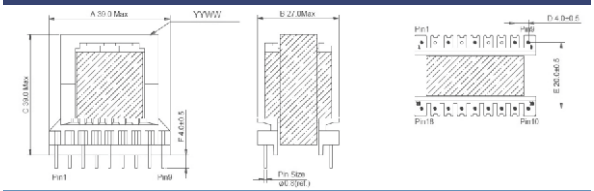
EE25



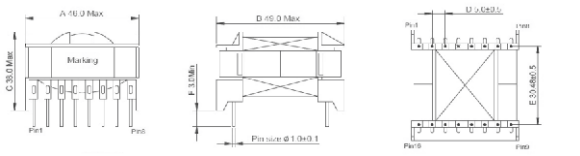
ETD29



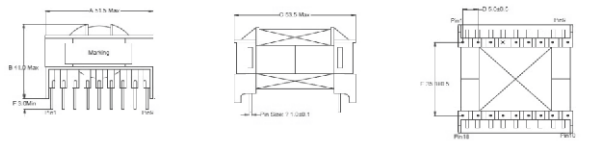
ERL28



ETD39



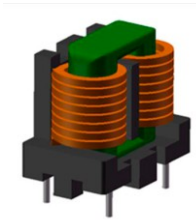
ETD44

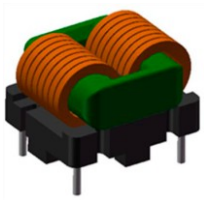


COMTRAFO Part Number	Core	Power	Outputs	Frequency	T (°C)
XZM-E16604	E16	1.5W	5V	44KHz	+85
XZM-E16605	E16	1.5W	12V	44KHz	+85
XZM-E16606	E16	3.1W	5V	44KHz	+70
XZM-E16607	E16	3.1W	12V	44KHz	+70
XZM-E16608	E16	9W	5V	44/132KHz	+60
XZM-E16609	E16	9W	12V	44/132KHz	+60
XZM-E16610	E16	6W	5V	100/132KHz	+50
XZM-E16611	E16	6W	12V	100/132KHz	+50
XZM-E16569	E16	5W	3.3V/5V	100/132KHz	+50
XZM-E16571	E16	5W	5V/12V	132KHz	+50
XZM-E16572	E16	12W	5V/12V	132KHz	+50
XZM-E16573	E16	12W	24V/24V	132KHz	+50
XZM-E16574	E16	12W	5V/15V/24V	132KHz	+50
XZM-E16626	E16	1.5W	5V	44KHz	+85
XZM-E16627	E16	1.5W	12V	44KHz	+85
XZM-E16628	E16	3.1W	5V	44KHz	+70
XZM-E16629	E16	3.1W	12V	44KHz	+70
XZM-E16630	E16	9W	5V	44/132KHz	+60
XZM-E16631	E16	9W	12V	44/132KHz	+60
XZM-E16632	E16	5W	5V/12V	132KHz	+50
XZM-E16633	E16	6W	5V	100/132KHz	+50
XZM-E16634	E16	6W	12V	100/132KHz	+50
XZM-E16635	E16	5W	3.3V/5V	100/132KHz	+50
XZM-E16636	E16	12W	5V/12V	132KHz	+50
XZM-E16637	E16	12W	24V/24V	132KHz	+50
XZM-E16638	E16	12W	5V/12V/24V	132KHz	+50
XZM-E19340	EL19	18W	5V/12V	100/132KHz	+50
XZM-E19341	EL19	18W	5V/12V	100/132KHz	+50
XZM-EE19228	EL19	16W	3.3V/5V/12V 18V/24V	132KHz	+60
XZM-EF20332	EF20	24W	12V/12V	132KHz	+50
XZM-EF20361	EF20	20W	3.3V/5V/12V	132KHz	+50
XZM-EF20362	EF20	20W	5V/5V	132KHz	+50
XZM-E25615	EE25	30W	5V/12V/12V	100/132KHz	+50
XZM-E25614	EE25	35W	24V	100/132KHz	+50
XZM-ED2961	ETD29	60W	5V/12V/5V/12V	100/132KHz	+50
XZM-ER28146	ERL28	60W	3.3V/5V/12V 18V/30V	100KHz	+50
XZM-ED39065	ETD39	140W	5V/12V/5V/12V	100KHz	+50
XZM-ED44002	ETD44	180W	5V/12V/5V/12V	100KHz	+50

Common Mode Chokes - Standard Range

STANDARD RANGE - UC12 / UC15 / UC19 / UC24 - Series



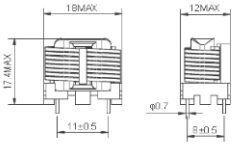


FEATURES

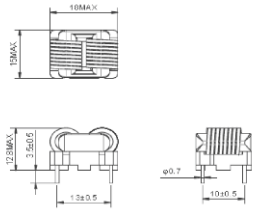
- Rated Voltage: 250V AC
- Operating temperature : -40℃~105° (Temperature rise included)
- Storage temperature: -40℃~105°
- Enameled Copper Wire: Class H (180°)
- Uses UL94-V0 listed materials
- Measuring Frequency: 1KHz, 0.25V
- Inductance difference value of two windings must less than 2% of single winding inductance.
- Dielectric Strength: 1500Vrms, 60Sec
- Insulation Resistance: 100MΩ Min @ DC500V

UC12 SERIES

VERTICAL VERSION



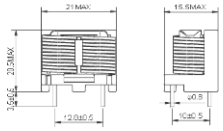
HORIZONTAL VERSION



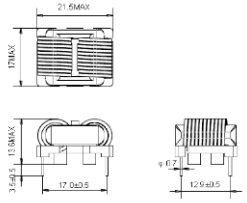
COMTRAFO Part Number	Inductance common Mode (mH) Min	Inductance differential Mode (uH) Typical	Resistance per winding (mΩ) Max	Rated Current Arms (Amp) temperature rise 40°C(ΔT=40°C)	Replacing traditional Toroid model
XZM-UC1205	5.0	31	85	2.0	T12*6*4, UU9.8
XZM-UC1208	8.0	50	135	1.65	
XZM-UC1210	10.0	58	180	1.50	
XZM-UC1215	15.0	87	240	1.25	

UC15 SERIES

VERTICAL VERSION



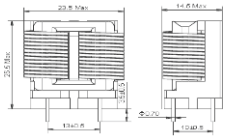
HORIZONTAL VERSION



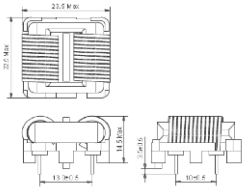
COMTRAFO Part Number	Inductance common Mode (mH) Min	Inductance differential Mode (uH) Typical	Resistance per winding (mΩ) Max	Rated Current Arms (Amp) temperature rise 40°C(ΔT=40°C)	Replacing traditional Toroid model
XZM-UC1502	2.0	17.5	28	4.8	T16*16*8, UU10.5
XZM-UC1505	5.0	39	55	3.2	
XZM-UC1510	10.0	92	135	2.1	

UC19 SERIES

VERTICAL VERSION



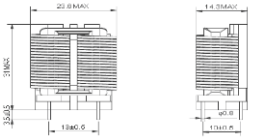
HORIZONTAL VERSION



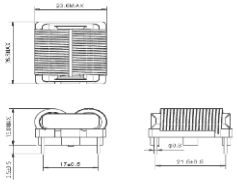
COMTRAFO Part Number	Inductance common Mode (mH) Min	Inductance differential Mode (uH) Typical	Resistance per winding (mΩ) Max	Rated Current Arms (Amp) temperature rise 40°C(ΔT=40°C)	Replacing traditional Toroid model
XZM-UC1905	5.0	55.7	55	3.7	T22*14*10, FT20
XZM-UC1910	10.0	77.9	70	3.0	
XZM-UC1915	15.0	112.1	100	2.5	
XZM-UC1920	20.0	168	170	2.0	
XZM-UC1925	25.0	190	260	1.6	

UC24 SERIES

VERTICAL VERSION



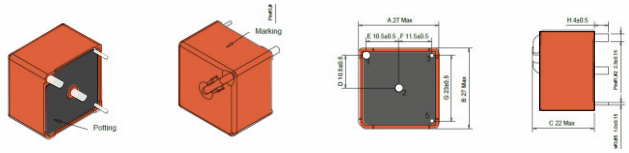
HORIZONTAL VERSION



COMTRAFO Part Number	Inductance common Mode (mH) Min	Inductance differential Mode (uH) Typical	Resistance per winding (mΩ) Max	Rated Current Arms (Amp) temperature rise 40°C(ΔT=40°C)	Replacing traditional Toroid model
XZM-UC2405	5.0	59	55	4.5	T25*15*10, T28*19*15 UT28
XZM-UC2410	10.0	106	85	3.5	
XZM-UC2420	20.0	188	150	2.5	

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INDUCTIVE COMPONENTS

Other Standard Ranges for Electronics



CURRENT SENSE TRANSFORMERS

(Standard and custom - Specific solutions for EV Chargers)



POWER MODULES

(1W to 300W – Standard and custom designs)



50Hz ENCAPSULATED TRANSFORMERS

(from EE20 0.35VA to EI48 10VA)



DISPLAYS

(TFT Modules, TFT Drive Boards, LCD, LED, COG, COB Modules & custom design)

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