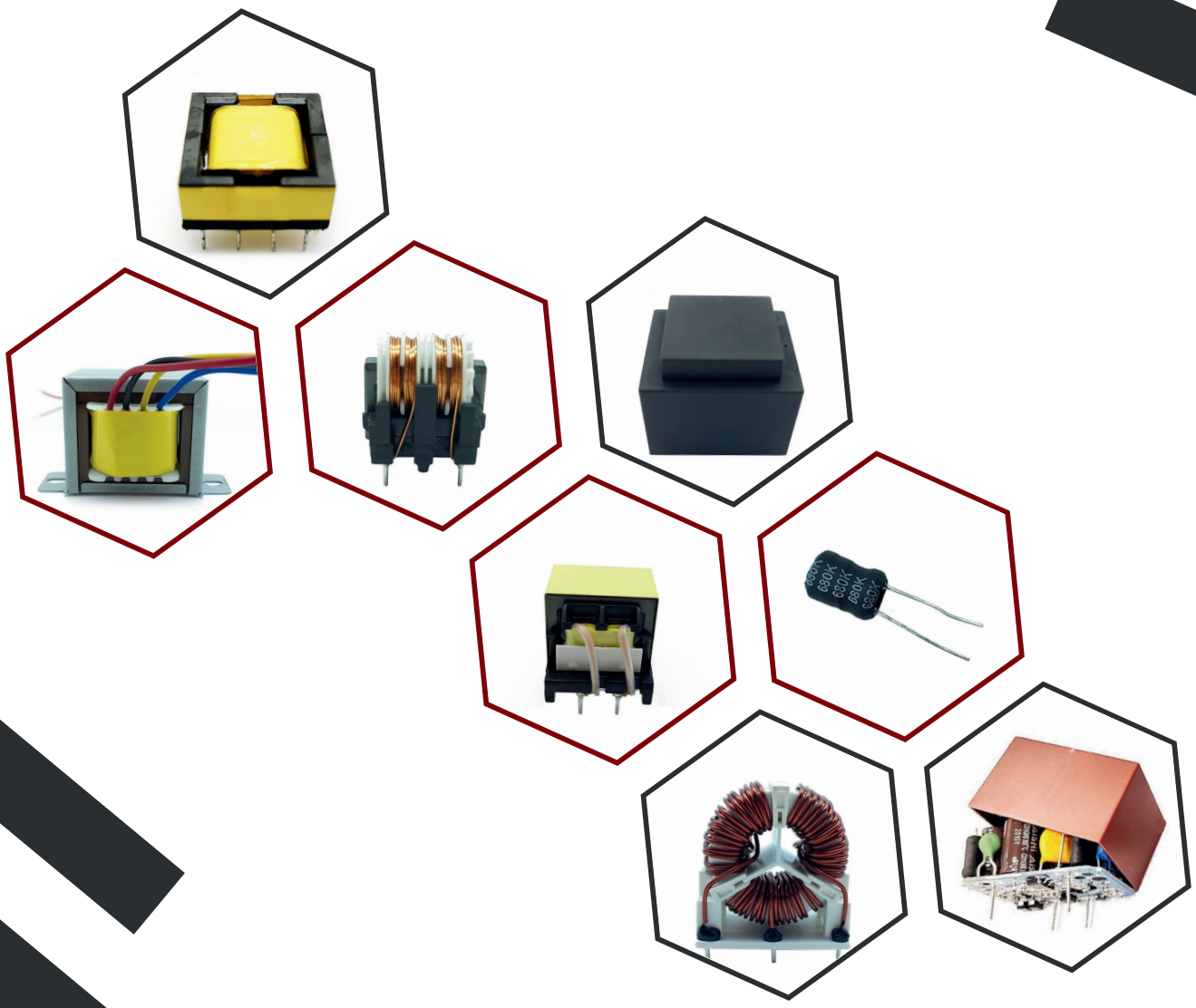
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MAKOSAN ELEKTRONİK SANAYİ VE TİCARET A.Ş.



Switch Mode Transformers

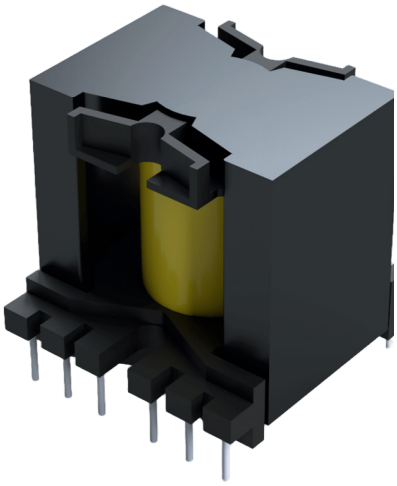
KATALOG
CATALOGUE
2026 | 2027

ISO 14001:2015 ISO 9001:2015 COMPLIANT APPROVED

Turkey
Discover
the potential

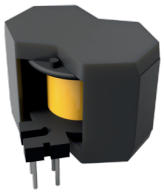
Switch Mode
Transformatörler

Switch Mode Transformers



Ürün Modeli	Max. Çıkış Gücü	Sayfa
RM6-1	5W	2
EE13-1	5W	2
EF12-1	5W	2
EE13-2	6W	3
EP13-1	6W	3
RM8-1	7W	3
RM10-1	9W	4
EFD15-1	10W	4
EF16-1	12W	4
EE16-1	12W	5
EE16-2	12W	5
EE16-3	12W	5
EE16-4	12W	6
EE19-1	15W	6
EE19-2	15W	6
EE19-3	15W	7
EEL19-1	15W	7
EE19-4	15W	7
EF20-1	18W	8
EF20-2	18W	8

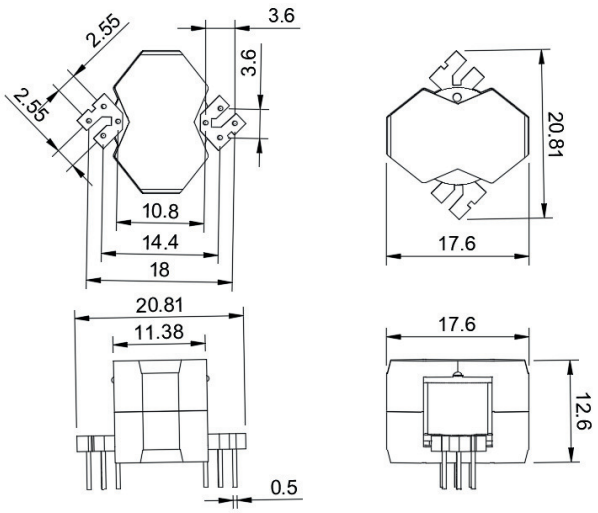
Ürün Modeli	Max. Çıkış Gücü	Sayfa
EF20-3	18W	8
EF20-6	18W	9
EFD20-1	18W	9
EFD20-2	18W	9
EF25-1	25W	10
EF25-2	25W	10
EEL25-1	25W	10
EFD30-1	40W	11
ER28-1	50W	11
ETD29-1	60W	11
ETD34-1	70W	12
PQ26-1	70W	12
ER28-2	70W	12
EE40-1	100W	13
ETD39-1	100W	13
PQ32-1	100W	13
EE42-1	120W	14
EE42-2	120W	14
EE42-3	120W	14

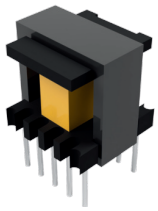


Transformer for SMPS — Type: RM6-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	RM0602
Shape:	Vertical
Number of Pins:	4+4
Max. Output Power:	5W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

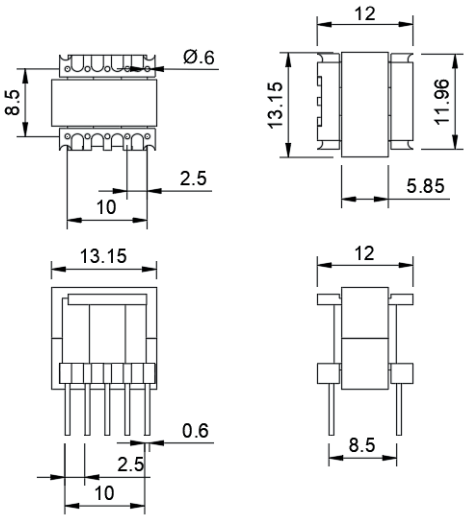


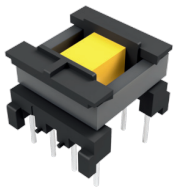


Transformer for SMPS — Type: EE13-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EE1302-V
Shape:	Vertical
Number of Pins:	5+5
Max. Output Power:	5W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

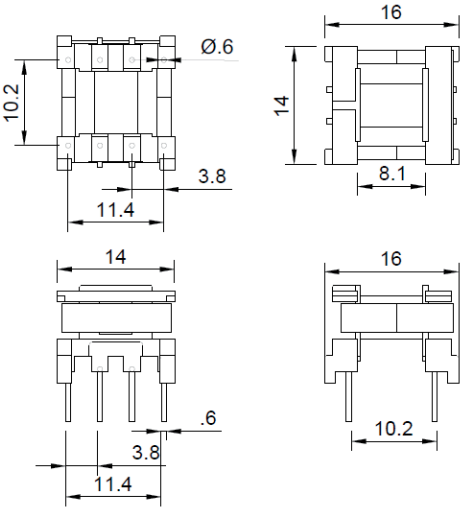


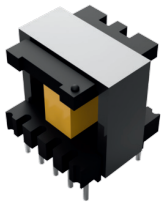


Transformer for SMPS — Type: EF12-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EF1205-H
Shape:	Horizontal
Number of Pins:	4+4
Max. Output Power:	5W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

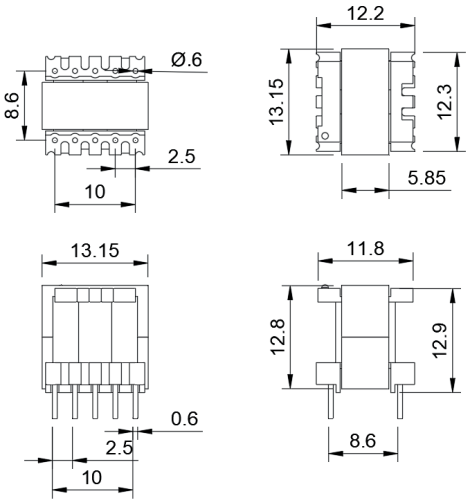


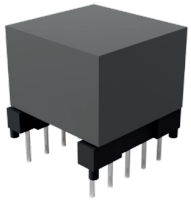


Transformer for SMPS — Type: EE13-2

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EE1303-V
Shape:	Vertical
Number of Pins:	5+5
Max. Output Power:	6W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

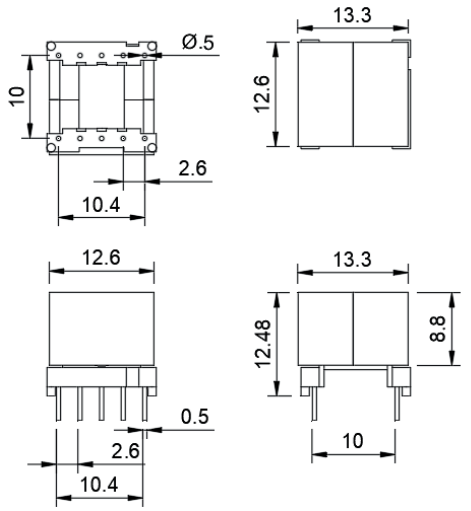


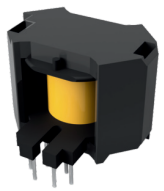


Transformer for SMPS — Type: EP13-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EP1301-H
Shape:	Horizontal
Number of Pins:	5+5
Max. Output Power:	6W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

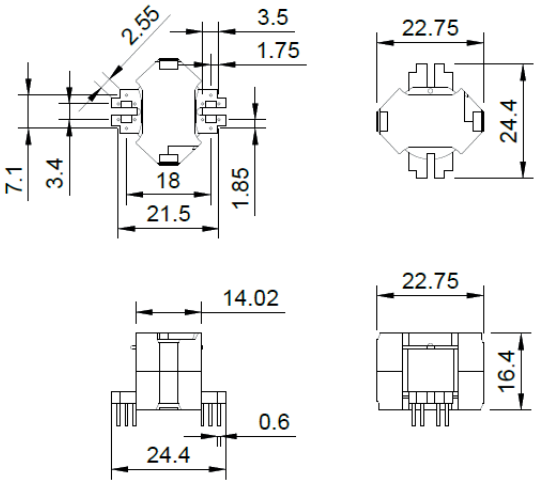


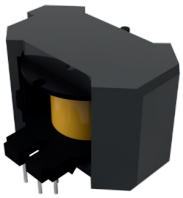


Transformer for SMPS — Type: RM8-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	RM0801
Shape:	Vertical
Number of Pins:	6+6
Max. Output Power:	7W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

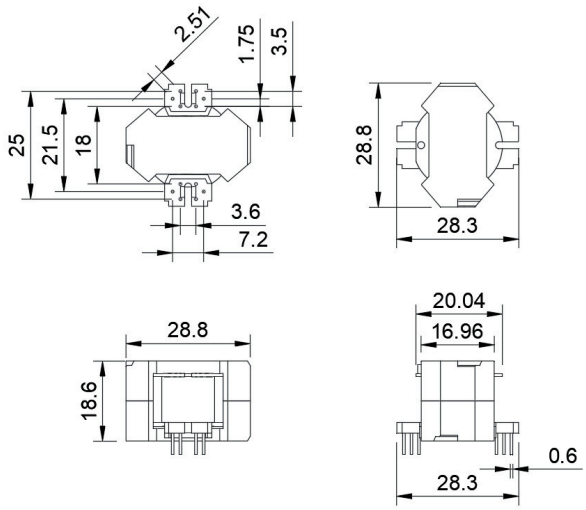


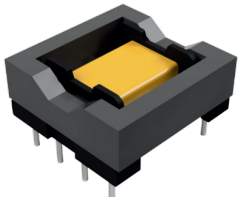


Transformer for SMPS — Type: RM10-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	RM1001
Shape:	Vertical
Number of Pins:	6+6
Max. Output Power:	9W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

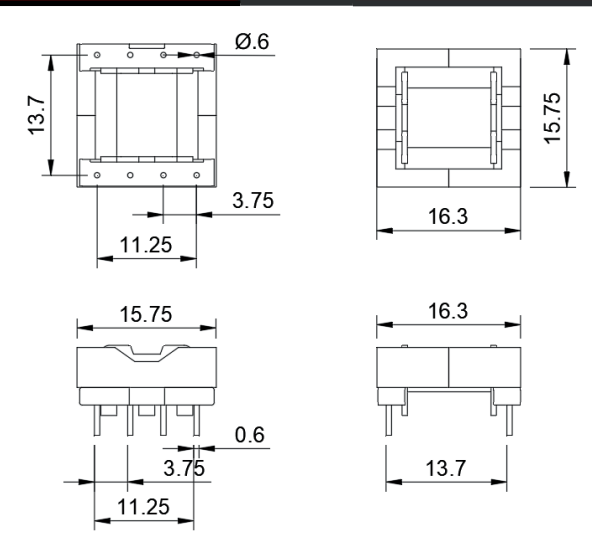


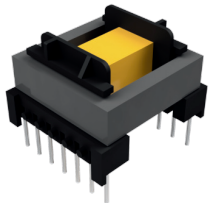


Transformer for SMPS — Type: EFD15-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EFD1501-H
Shape:	Horizontal
Number of Pins:	4+4
Max. Output Power:	10W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

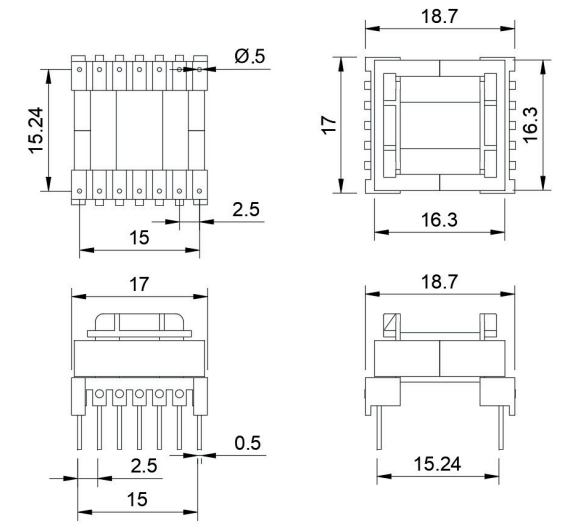


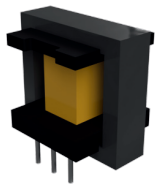


Transformer for SMPS — Type: EF16-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EF1619-1-V
Shape:	Vertical
Number of Pins:	7+7
Max. Output Power:	12W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

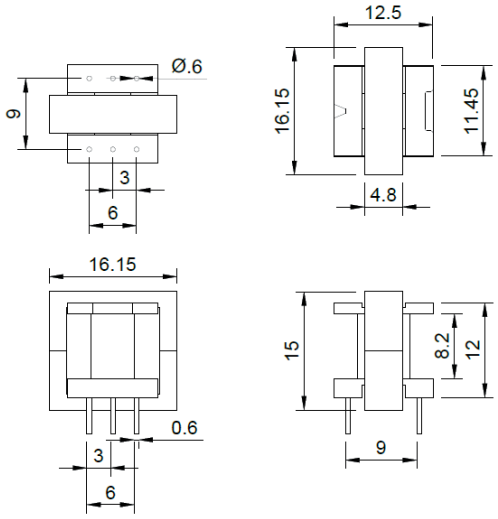


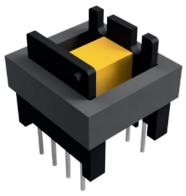


Transformer for SMPS — Type: EE16-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EE1601-V
Shape:	Vertical
Number of Pins:	3+3
Max. Output Power:	12W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

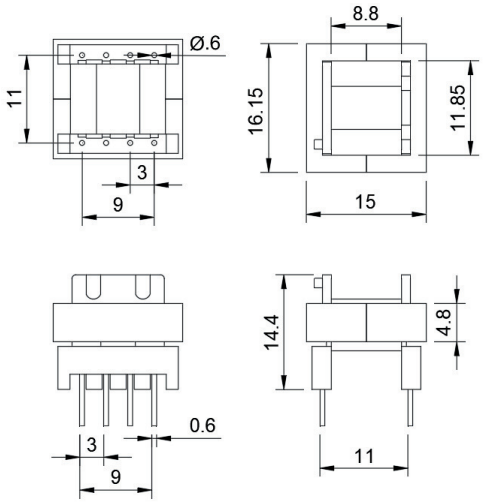


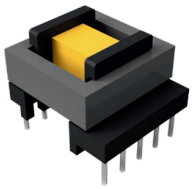


Transformer for SMPS — Type: EE16-2

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EE1603-1-H
Shape:	Horizontal
Number of Pins:	4+4
Max. Output Power:	12W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

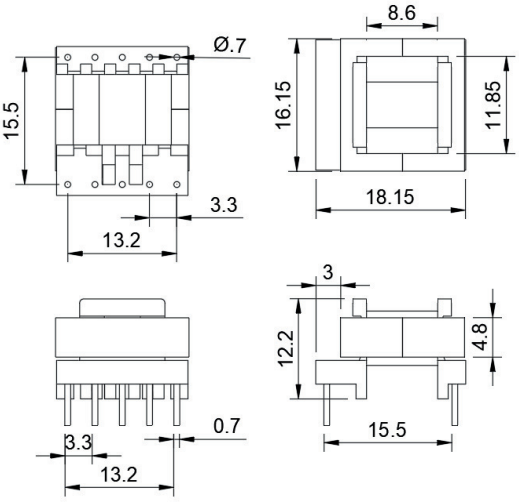


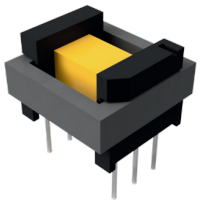


Transformer for SMPS — Type: EE16-3

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EE1608-2-H
Shape:	Horizontal
Number of Pins:	5+5
Max. Output Power:	12W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

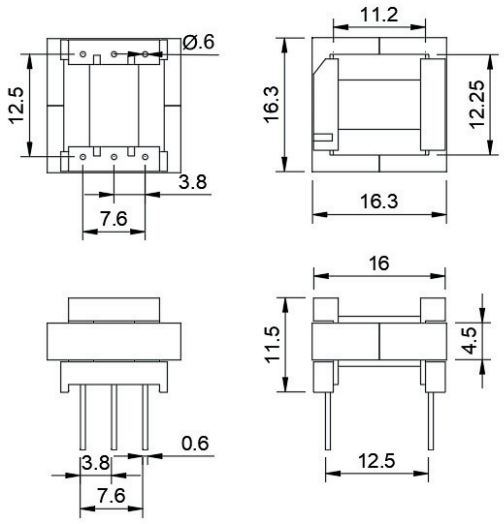




Transformer for SMPS — Type: EE16-4

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EE1610-H
Shape:	Horizontal
Number of Pins:	3+3
Max. Output Power:	12W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

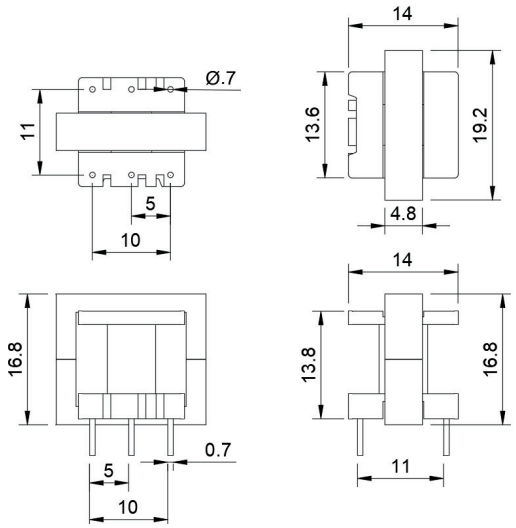


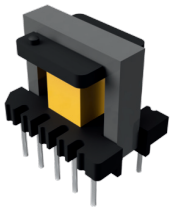


Transformer for SMPS — Type: EE19-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EE1901-V
Shape:	Vertical
Number of Pins:	3+3
Max. Output Power:	15W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

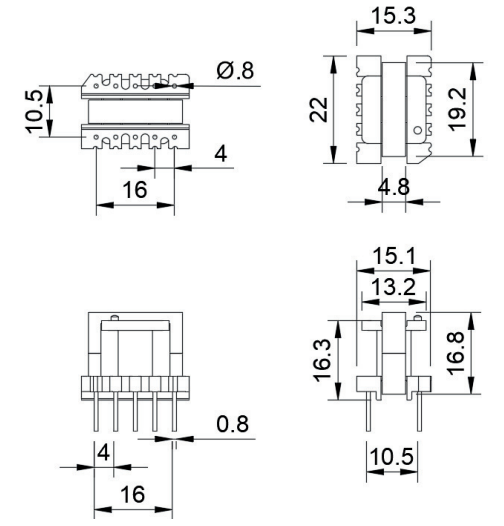




Transformer for SMPS — Type: EE19-2

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EE1905-1-V
Shape:	Vertical
Number of Pins:	5+5
Max. Output Power:	15W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

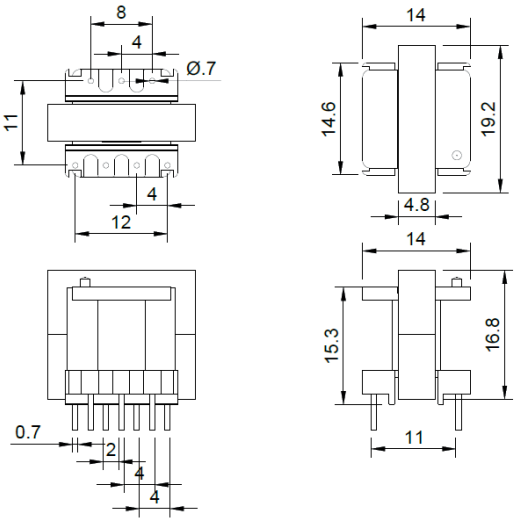




Transformer for SMPS — Type: EE19-3

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EE1907-V
Shape:	Vertical
Number of Pins:	4+3
Max. Output Power:	15W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

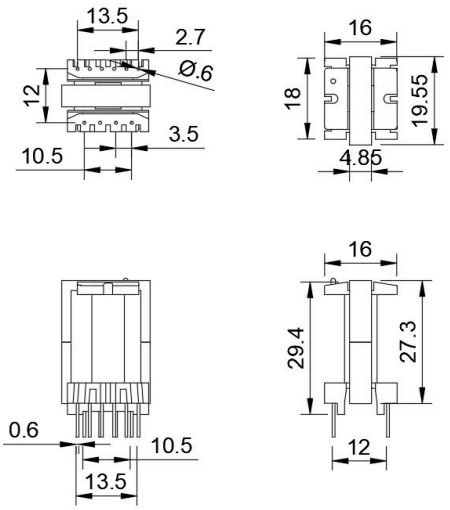


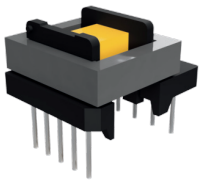


Transformer for SMPS — Type: EEL19-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EEL1910-V
Shape:	Vertical
Number of Pins:	4+6
Max. Output Power:	15W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

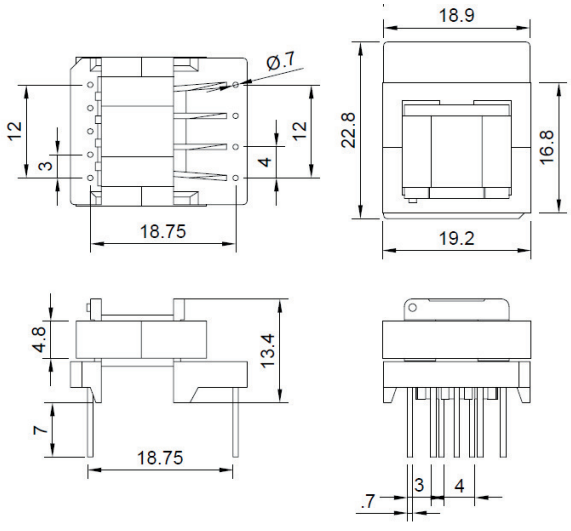


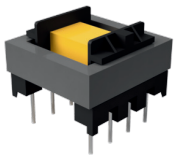


Transformer for SMPS — Type: EE19-4

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EE1912-H
Shape:	Horizontal
Number of Pins:	4+4
Max. Output Power:	15W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

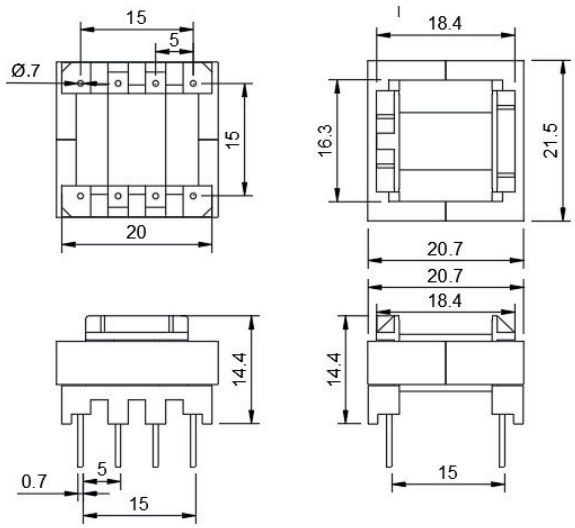


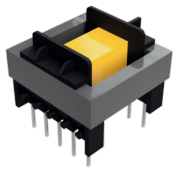


Transformer for SMPS — Type: EF20-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EF2001-1-H
Shape:	Horizontal
Number of Pins:	4+4
Max. Output Power:	18W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

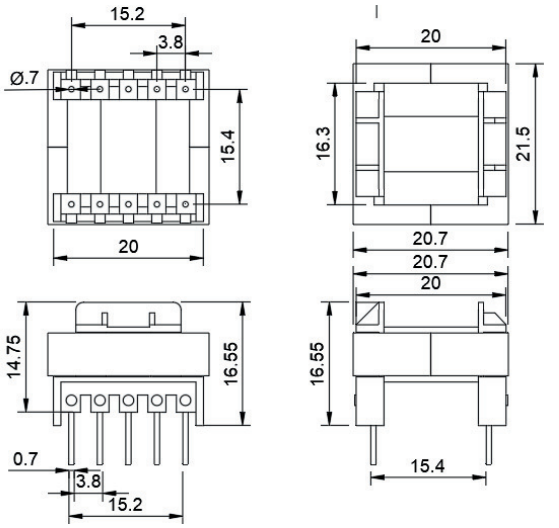




Transformer for SMPS — Type: EF20-2

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EF2002-1-H
Shape:	Horizontal
Number of Pins:	5+5
Max. Output Power:	18W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

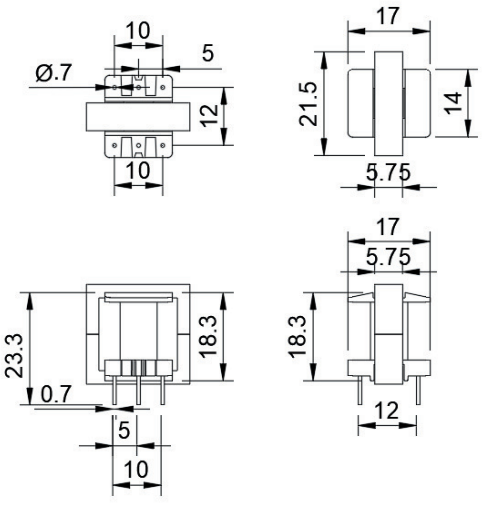


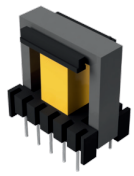


Transformer for SMPS — Type: EF20-3

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EF2003-V
Shape:	Vertical
Number of Pins:	3+3
Max. Output Power:	18W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

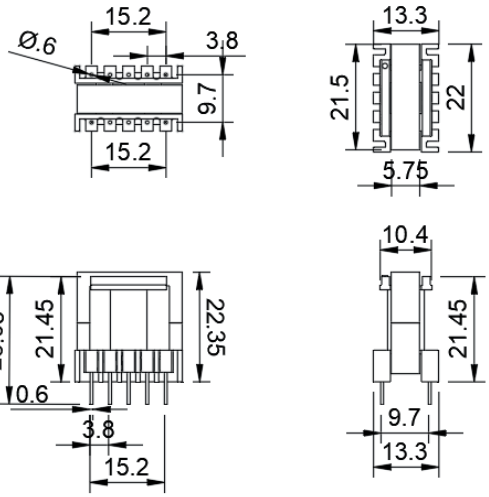


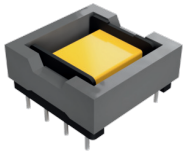


Transformer for SMPS — Type: EF20-6

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EF2006-V
Shape:	Vertical
Number of Pins:	5+5
Max. Output Power:	18W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

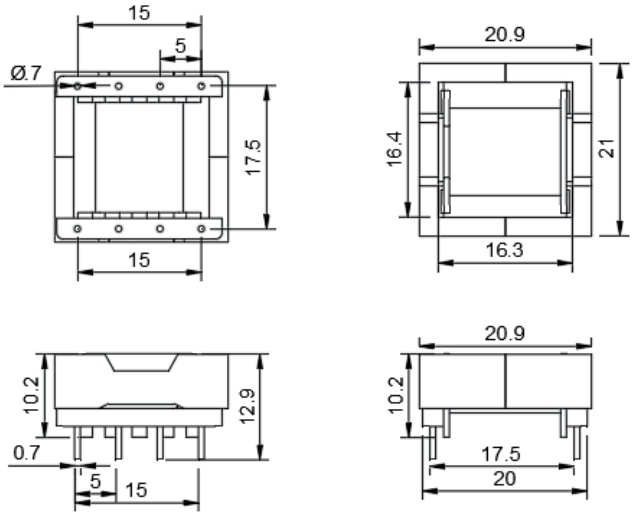


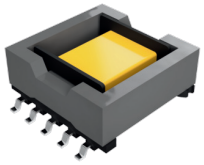


Transformer for SMPS — Type: EFD20-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EFD2001-H
Shape:	Horizontal
Number of Pins:	4+4
Max. Output Power:	18W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

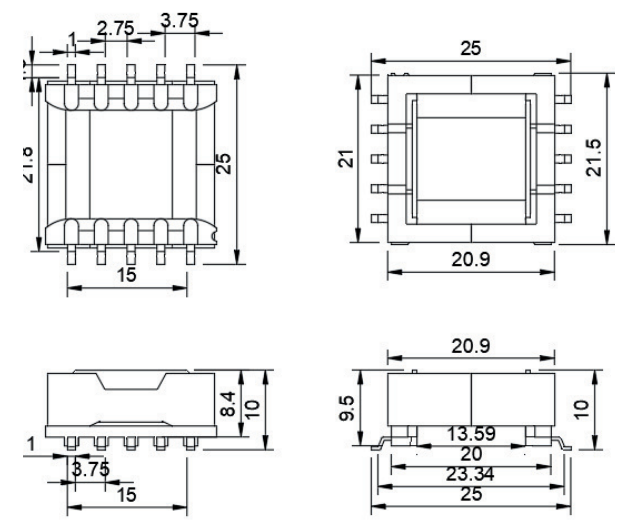




Transformer for SMPS — Type: EFD20-2

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EFD2004-SMD
Shape:	Horizontal
Number of Pins:	5+5
Max. Output Power:	18W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

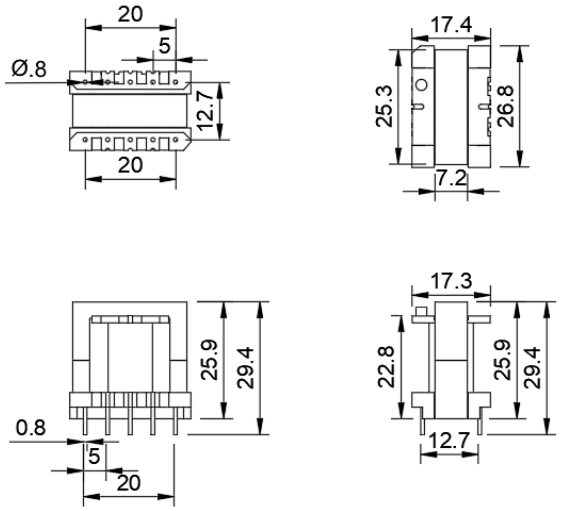


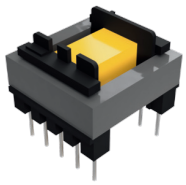


Transformer for SMPS — Type: EF25-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EF2510-V
Shape:	Vertical
Number of Pins:	5+5
Max. Output Power:	25W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

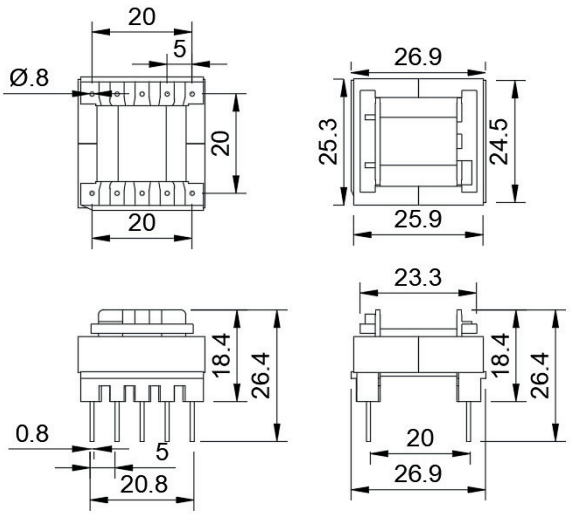


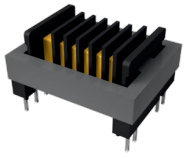


Transformer for SMPS — Type: EF25-2

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EF2511-H
Shape:	Horizontal
Number of Pins:	5+5
Max. Output Power:	25W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

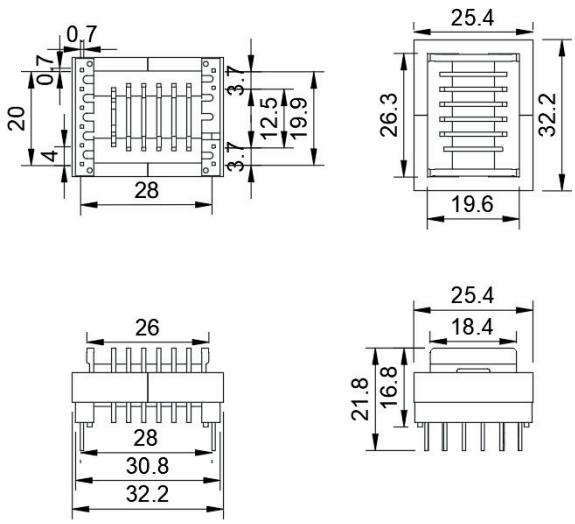


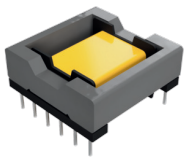


Transformer for SMPS — Type: EEL25-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EEL25-H
Shape:	Horizontal
Number of Pins:	6+4
Max. Output Power:	25W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

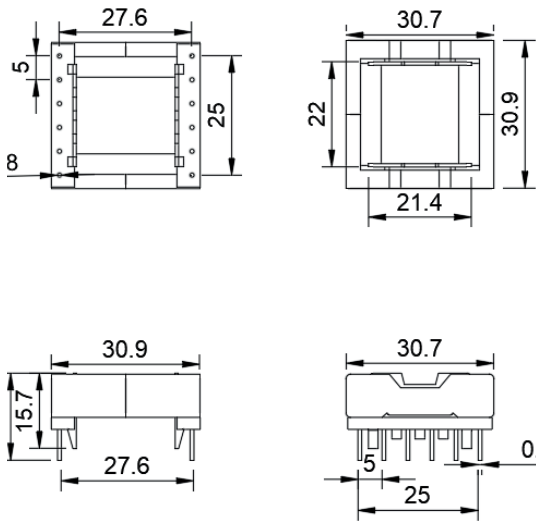


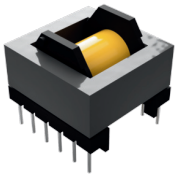


Transformer for SMPS — Type: EFD30-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EFD3001
Shape:	Horizontal
Number of Pins:	6+6
Max. Output Power:	40W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

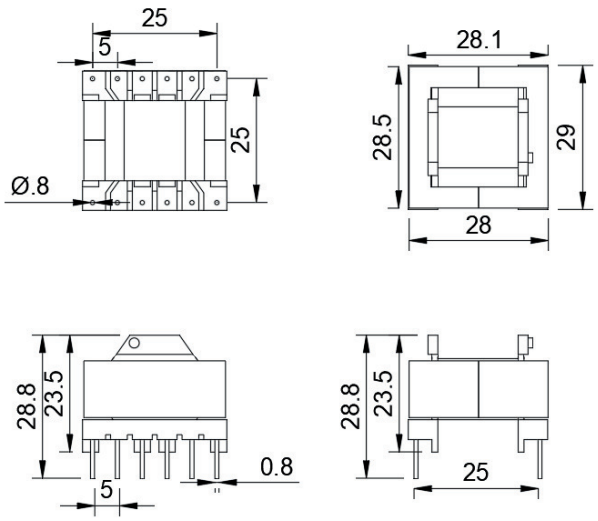


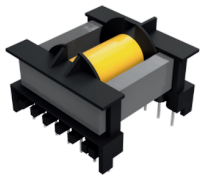


Transformer for SMPS — Type: ER28-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	ER2828-H
Shape:	Horizontal
Number of Pins:	6+6
Max. Output Power:	50W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

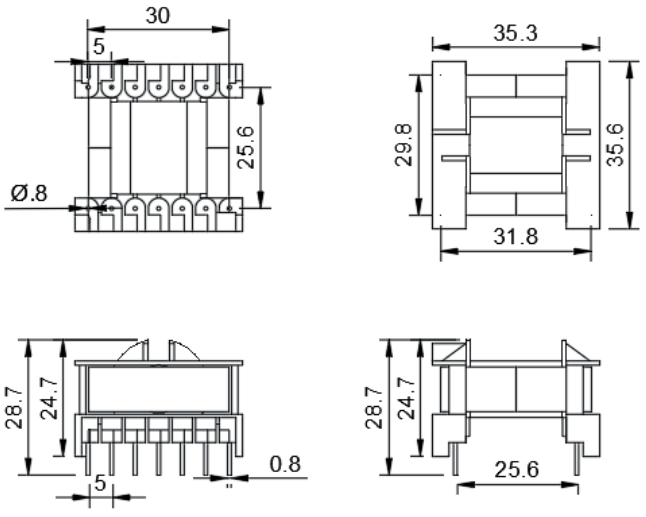


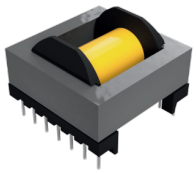


Transformer for SMPS — Type: ETD29-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	ETD2901-H
Shape:	Horizontal
Number of Pins:	7+7
Max. Output Power:	50W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

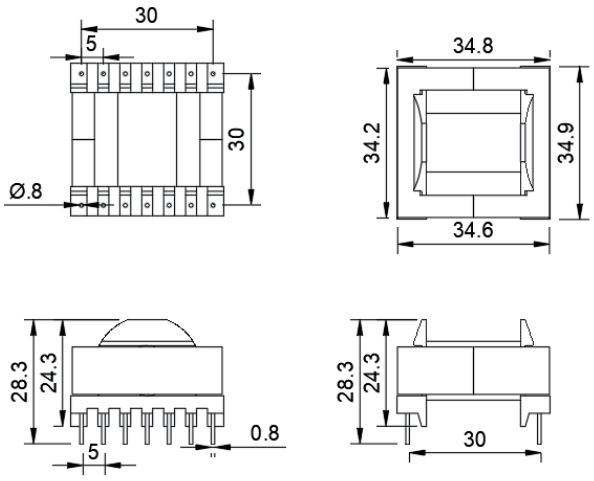


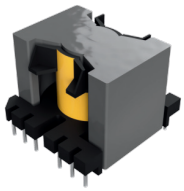


Transformer for SMPS — Type: ETD34-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	ETD3401-H
Shape:	Horizontal
Number of Pins:	7+7
Max. Output Power:	60W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

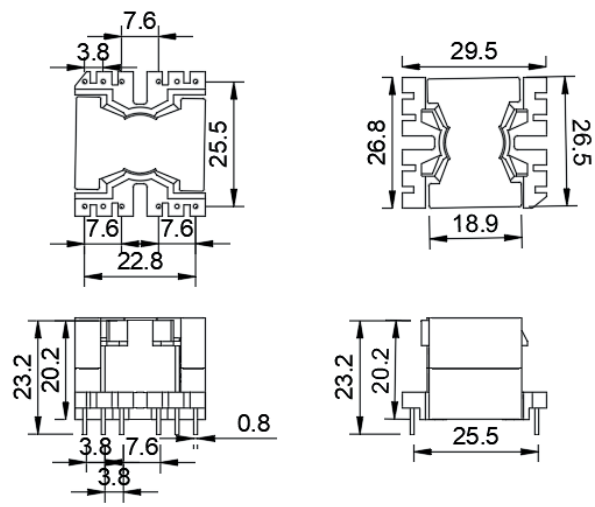


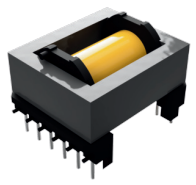


Transformer for SMPS — Type: PQ26-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	PQ2620-3
Shape:	Vertical
Number of Pins:	6+6
Max. Output Power:	70W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

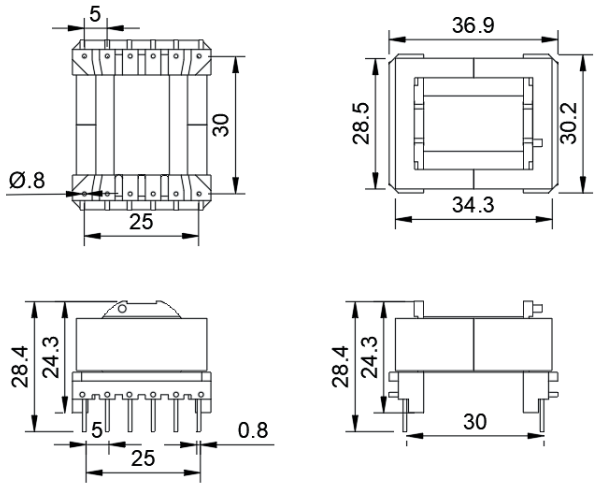


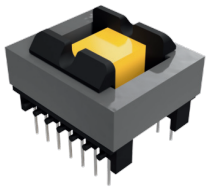


Transformer for SMPS — Type: ER28-2

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	ER2834-H
Shape:	Horizontal
Number of Pins:	6+6
Max. Output Power:	70W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

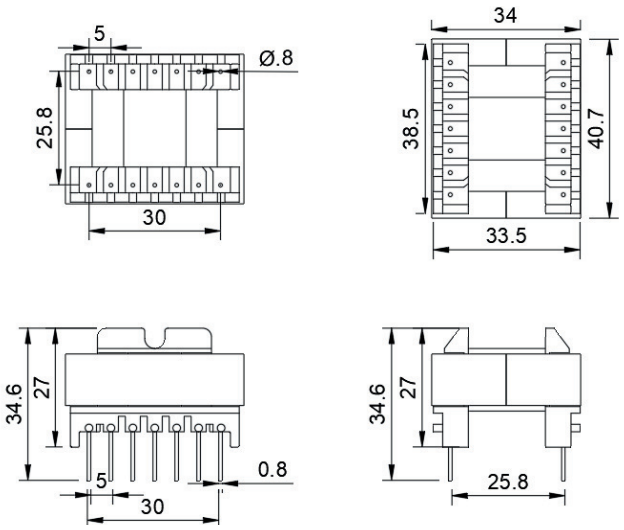


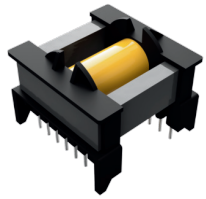


Transformer for SMPS — Type: EE40-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EE4002-H
Shape:	Horizontal
Number of Pins:	7+7
Max. Output Power:	100W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

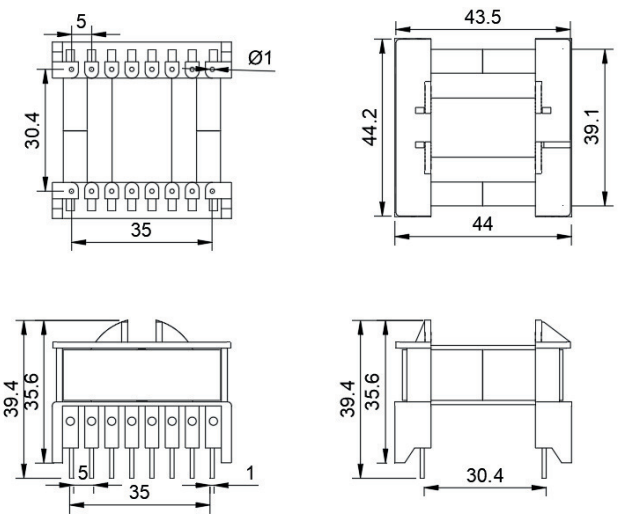


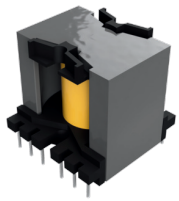


Transformer for SMPS — Type: ETD39-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	ETD3901-H
Shape:	Horizontal
Number of Pins:	8+8
Max. Output Power:	100W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

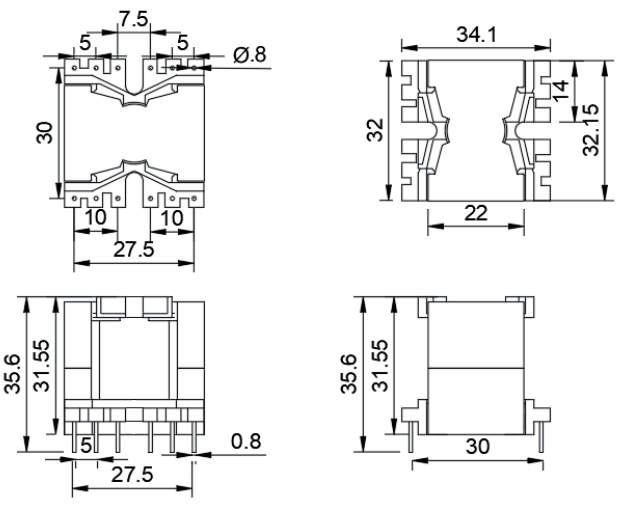


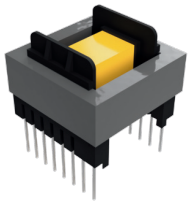


Transformer for SMPS — Type: PQ32-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	PQ3230
Shape:	Vertical
Number of Pins:	6+6
Max. Output Power:	100W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

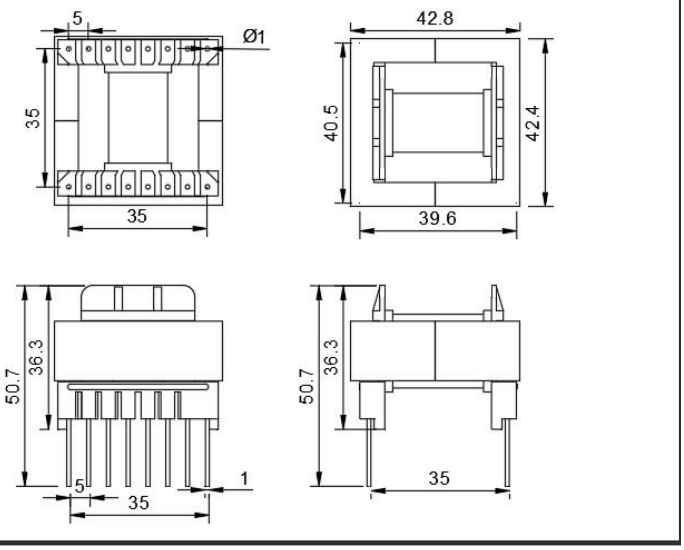


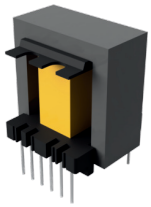


Transformer for SMPS — Type: EE42-1

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EE4201-H
Shape:	Horizontal
Number of Pins:	8+8
Max. Output Power:	120W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

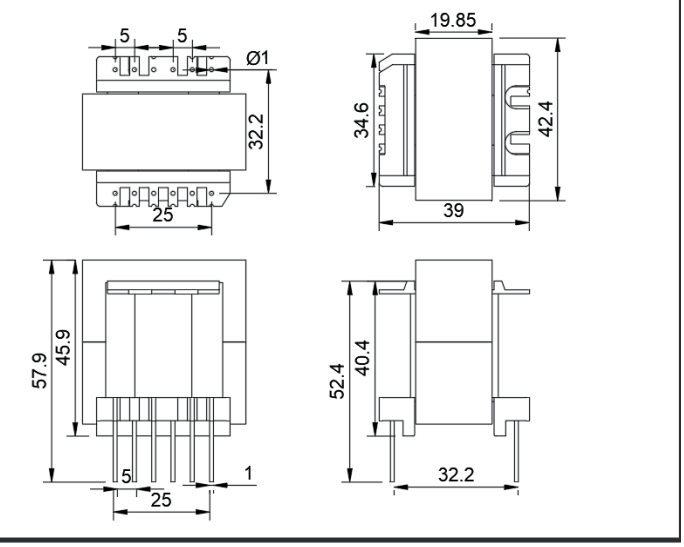


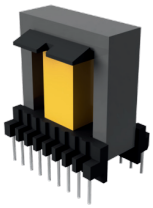


Transformer for SMPS — Type: EE42-2

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EE4202-V
Shape:	Vertical
Number of Pins:	6+6
Max. Output Power:	120W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C

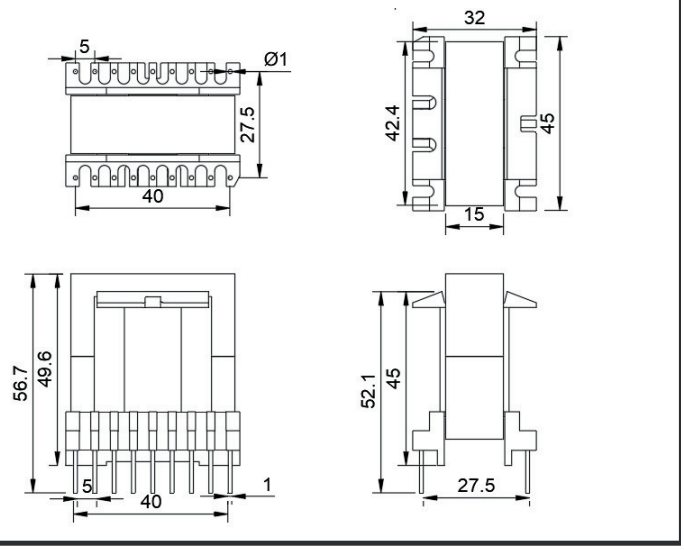




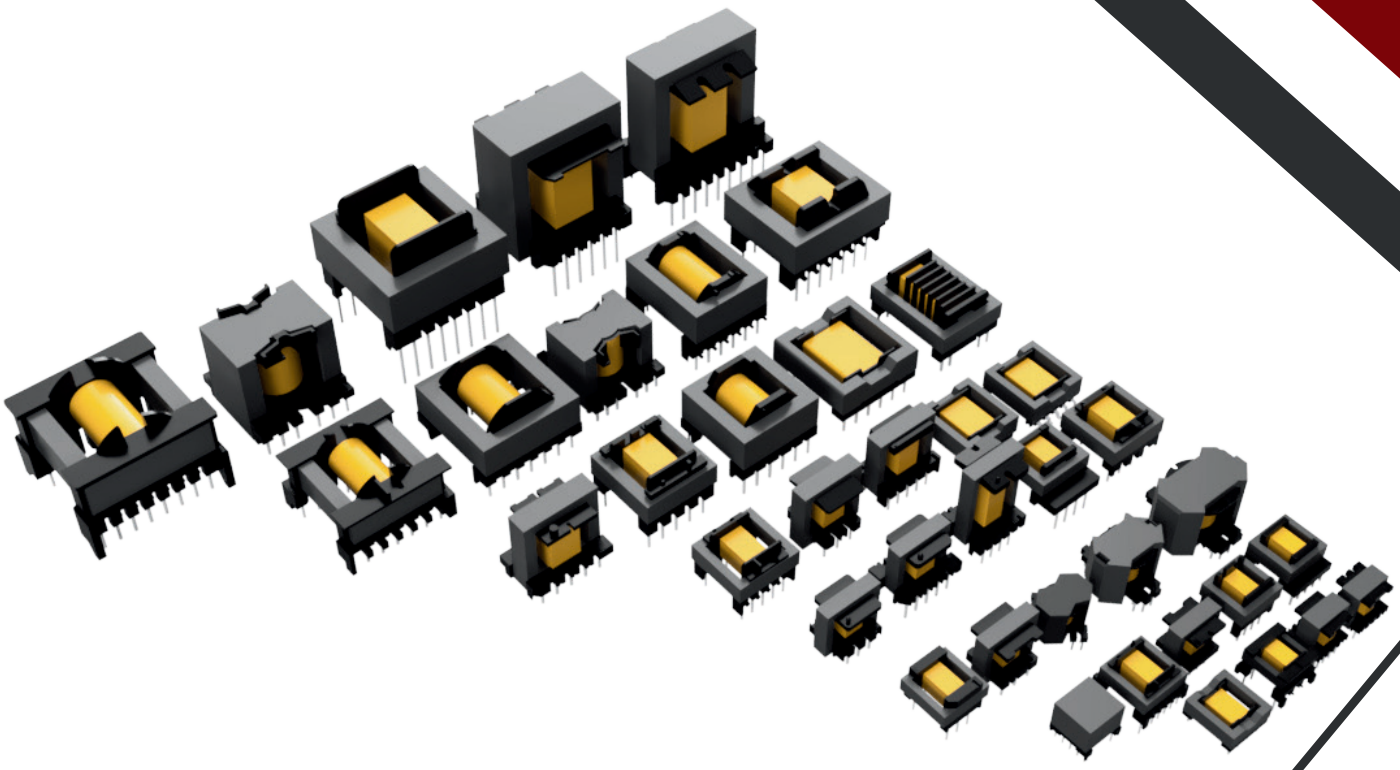
Transformer for SMPS — Type: EE42-3

PDF STEP FOOTPRINT DXF DWG

Bobbin Type:	EE4204-V
Shape:	Vertical
Number of Pins:	9+9
Max. Output Power:	120W
Working Frequency:	20 - 200 KHz
Isolation Pri to Sec.:	2000Vrms, Custom Design
Isolation System:	2UEW 155C
Operating Temperature:	-20C…+85C



MAKOSAN
MANYETİK KOMPONENT SANAYİ



Telefon Numarası
Phone Number
+90 224 504 76 35

İnternet Sitesi
Website
www.makosan.com.tr

E-Mail
satis@makosan.com.tr

Adres
Address
Alaaddibey Mh. 619. Sk.
No:4/I Nilüfer/Bursa/Türkiye