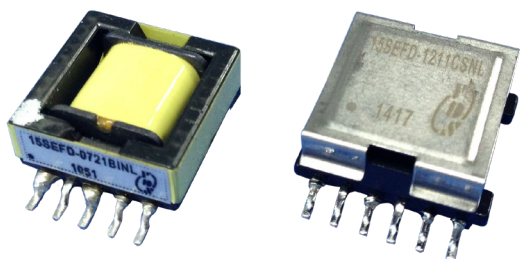


Description:

- EFD15 Platforms-SMT
- Power Range : Up to 60W
- Height : 10mmMAX
- Footprint : 22.5mmx17.5mm
- Topology : Forward and Flyback and so on
- Custom designs available

Other:

- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +125°C

**YUAN DEAN SCIENTIFIC**

High Frequency
Wire Wound Transformer
15SEFD SERIES

PoE
Up to 60W
SMD

**Part Number Meaning**

15SEFD -046 1 CG NL
 A B C D E

A:Series
 B:Inductance
 C:Sequence id
 D:Schematics
 E:ROHS

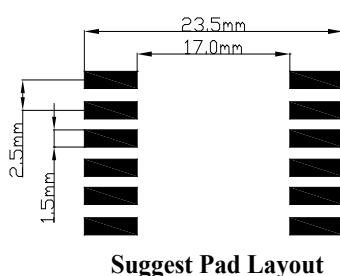
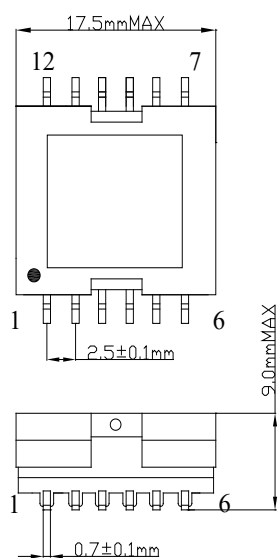


Part Number	Input	Output	Aux/bias	Oper. Freq	Turns ratio		L	DCR			Sch	Mech
								(Ohms MAX)				
				(KHZ)	Pri:sec	pri:sec: aux/bias	(uH)	Pri	sec	Aux /bia		
15SEFD-0461CGNL	9~42V	12V,0.3A 12V,0.3A 12V,0.3A	12V,0.3A	300	1:1.43 1:1.43 1:1.43	1:1.43:1.43	4.6±12%	0.01	0.173 0.173 0.173	0.095	CG	S1
15SEFD-0501CHNL	9~40V	12V/0.25A 12V/0.25A 7.5V/0.7A	7.5V,0.2A	300	1:1.44 1:1.44 1:0.89	1:1.44:0.89	5±10%	0.03	0.23 0.23 0.06	0.18	CH	S1
15SEFD-0721BINL	9~36V	5V,1.4A 3.3V,2.4A	13V,0.05A	250	1:0.5 1:0.4	1:0.5:1.2	7.2±5%	0.027	0.043 0.022	0.24	BI	S2
15SEFD-0801CDNL	12~57V	5V,1.9A 12V,1A	-	200	1:0.75 1:1.58	-	8.04±10%	0.05	0.05 0.15	-	CD	S1
15SEFD-1001CXNL	12~48V	48V,0.35A	-	-	-	1:5:1.13	10±12%	0.027	0.8	0.22	CX	S1
15SEFD-1011APNL	29.5~60V	3.3V,0.75A 3.3V,0.75A 3.3V,0.75A	11V,0.1A	250	1:0.176 1:0.176 1:0.176	1:0.176:0.529	100±10%	0.275	0.03 0.03 0.03	1.00	AP	S1
15SEFD-1011BCNL	28~59V	5V,2.4A	12V,15mA	250	-	5:1:2.5	100.7±8%	0.485	0.025	1.15	BC	S1
15SEFD-1011CPNL	29.5~60V	12V,0.3A 12V,0.3A	11V,0.1A	250	1:0.588 1:0.588	1:0.588:0.529	100±10%	0.275	0.25	1.00	CP	S1
15SEFD-1011DCNL	36~57V	12V,1.5A	12V,10mA	-	-	1.8:1:1	100±10%	0.22	0.068	0.57	DC	S1
15SEFD-1012APNL	29.5~60V	5V,0.5A 5V,0.5A 5V,0.5A	11V,0.1A	250	1:0.265 1:0.265 1:0.265	1:0.265:0.529	100±10%	0.275	0.095	1.00	AP	S1
15SEFD-1211APNL	36~57V	5V,0.9A 5V,0.9A 5V,0.9A	5V,50mA	-	1:0.14 1:0.14 1:0.14	1:0.14:0.14	120±10%	0.35	0.025 0.025 0.025	0.19	AP	S1
15SEFD-1211CSNL	33~57V	3.3V,3A 15V,0.1A -15,0.1A	11V,0.1A	200~500	1:0.125 1:0.5 1:0.5	1:0.125:0.375	115.0±13%	0.25	0.007 0.65 0.65	0.57	CS	S1
15SEFD-1213GNL	30~60V	12V,1.0A	15V,20mA	275	-	1:0.457:0.571	117.5±10%	0.201	0.06	0.335	G	S1
15SEFD-1311BANL	34~57V	24V,200mA 5V,1A	11.6V	-	1:0.711 1:0.2	1:0.711:0.465	125±10%	0.3	0.42 0.02	0.37	BA	S1
15SEFD-1311DENL	48V	12V,2.5A	12V	-	-	2.86:1:1	132.8±10%	0.73	0.033	0.36	DE	S1
15SEFD-1411FNL	35~56V	3.3V,1.2A 6V,0.5A 21V,0.035A	12V	200	38:5 38:8 38:32	38:5:28	144±10%	0.49	0.048 0.024 1.4	1.5	F	S2
15SEFD-1511ZNL	18~72V	5V,2A 7.5V,10mA	10V,20mA	500	5:1 3.2:1	1:0.2:0.44	150±10%	0.515	0.023 0.57	0.88	Z	S1
15SEFD-1513ZNL	36~57V	5V,2A 7.5V,10mA	10V,20mA	-	5:1 3.2:1	1: 0.2:0.44	150±10%	0.52	0.0275 0.525	0.77	Z	S1
15SEFD-1514ZNL	24~57V	12V,0.9A 7.8V,20mA	10V,20mA	-	2.24:1 3.36:1	11:0.446:0.467	150±10%	0.515	0.11 0.57	0.88	Z	S1
15SEFD-1611RNL	36~57V	3.3V,2A 12V,0.1A 12V,0.1A 5V,0.8A	11V,0.1A	125	1:0.15 1:0.57 1:0.57 1:0.23	1:0.15:0.4	160±15%	0.62	0.015 1.1 1.1 0.24	0.95	R	S1
15SEFD-1611ZNL	30~57V	5V,2A 7.5V,10mA	10V,15mA	100	5:1 5:1.5	5:1:2.2	157.5±10%	0.5	0.025 0.76	1.3	Z	S1
15SEFD-1671ZNL	36~57V	12V,0.83A 6V,10mA	12V,20mA	-	2:1 4:1	1:0.5:0.5	166.5±10%	0.76	0.103 0.475	1.1	Z	S1
15SEFD-1672ZNL	36~57V	12V,1.09A 6V,10mA	10V,20mA	-	2:1 4:1(HI-POT: 1500V)	1:0.5:0.5	166.5±10%	0.76	0.101 0.5	1.1	Z	S1
15SEFD-1673ZNL	36~57V	12V,1.09A 6V,10mA	10V,20mA	-	2:1 4:1(HI-POT: 1800V)	1:0.5:0.5	166.5±10%	0.76	0.101 0.5	1.1	Z	S1
15SEFD-1711CANL	28~60V	3.3V,4A	-	275	1:0.29 1:0.24	1:0.29:1.3	165MIN	0.07	0.011	1.29	CA	S1
15SEFD-1711ZNL	36~57V	3.3V,3A 5.6V,10mA	10V,20mA	125	6.5:1 3.7:1	1:0.154:0.5	166.5±10%	0.735	0.0225 0.51	0.985	Z	S1
15SEFD-1712ZNL	18~72V	12V,1A 12V,1A 6V,10mA	10V,20mA	500	2:1 2:1 4:1	1:0.5:0.5	166.5±10%	0.76	0.26 0.26 0.5	1.1	Z	S1

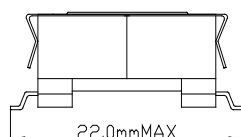
Part Number	Input	Output	Aux/bias	Oper. Freq (KHZ)	Turns ratio		L (uH)	DCR (Ohms MAX)			Sch	Mech
					Pri:sec	pri:sec: aux/bias		Pri	sec	Aux /bia		
15SEFD-2011APNL	29.5~60V	3.3V,0.45A 3.3V,0.45A 3.3V,0.45A	11V,0.1A	250	-	1:0.16:0.52 1:0.16:0.52 1:0.16:0.52	200±10%	0.5	0.07 0.07 0.07	1.0	AP	S1
15SEFD-2011BBNL	36~75V	3.3V,5.7A 3.3V,5.7A 3.3V,5.7A	30mA	300~400	9:3 9:3 9:3	9:3:12	200- 20%/+30%	0.1	0.006 0.006 0.006	1.0	BB	S1
15SEFD-2501CGNL	18~90V	13V,0.2A 13V,0.2A 13V,0.2A	13V/0.6A	300	1:0.78 1:0.78 1:0.78	-	25±10%	0.11	0.25 0.25 0.25	0.1	CG	S1
15SEFD-2511BBNL	36~75V	3.3V,7.5A 12V,30mA	-	350	-	9:3:12	250±30%	0.087	0.0041	0.4	BB	S1
15SEFD-3501GNL	36~72V	12V,1.1A	12V,20mA			1:0.35:0.35	35.0±10%	0.095	0.017	0.15	G	S1
15SEFD-3701BDNL	11.6~19V. 6V	6V,1.4A 6V,0.7A	-	100	3:1 3:1	-	37.1±10%	0.078	0.034 0.038	-	BD	S1
15SEFD-3701GNL	36~72V	24V,0.54A	12V,20mA		-	1:0.67:0.33	37.0±10%	0.086	0.049	0.37	G	S1
15SEFD-4001ABNL	36~72V	3.3V,6A	-	250	-	8:1:3.67	40±13%	0.13	0.0035	0.315	AB	S1
15SEFD-4001CCNL	10~57V	5V,2.6A	5V,20mA	-	1:0.36	1:0.36:0.43	40.0±10%	0.14	0.024	0.23	CC	S1
15SEFD-5601DFNL	36V	14.5V,0.5A 18V,0.5A -12V,0.5A +8V,1A	-	-	1:0.4 1:0.5 1:0.33 1:0.22	-	56±10%	0.16	0.12 0.16 0.11 0.045	-	DF	S1
15SEFD-6001GNL	36~72V	12V,0.5A	12V,20mA	-	-	1:0.35:0.35	55±10%	0.095	0.017	0.15	G	S1
15SEFD-6201MNL	33~57V	5V,1.5A 3.3V,2A 30V,0.05A	12V,20mA	200	5.5:1.75 5.5:1.0 5.5:9.25	5.5:1.75:3.75	62.0±12%	0.25	0.03 0.02 2.4	0.4	M	S1
15SEFD-6401BYNL	33~57V	5V,0.01 12V,0.83A	10V,0.02A	200	1:0.17 1:0.45	1:0.17:0.34	64±10%	0.32	0.33 0.08	0.5	BY	S2
15SEFD-7001BMNL	30~60V	3.3V,6A 5.5V	10V	250	1:0.147 1:0.235	1:0.147:0.412	77.8±10%	0.155	0.008 0.215	0.382	BM	S1
15SEFD-9501CWNL	10~57V	5V,5A	12V,20mA	250	1.25:1	1:0.8:2	95±28%	0.014	0.015	0.5	CW	S1

Mechanical Diagrams

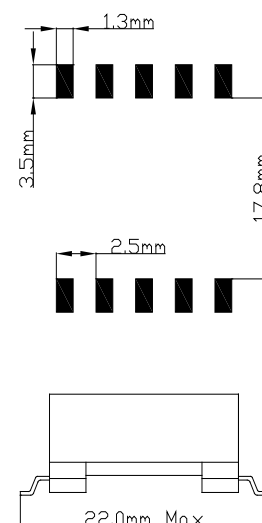
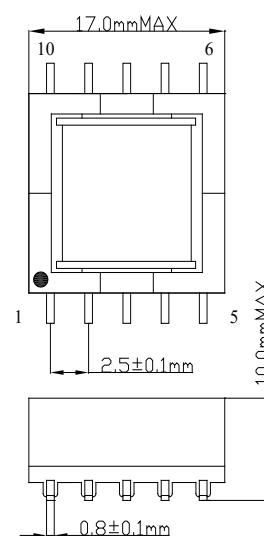
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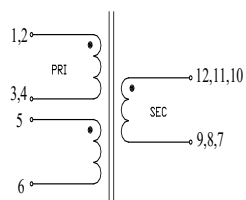
Suggest Pad Layout



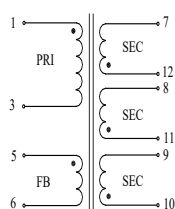
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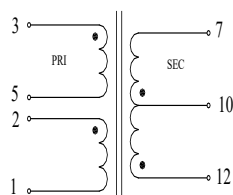
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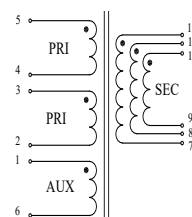
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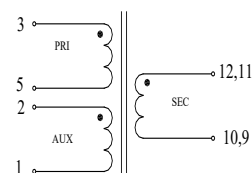
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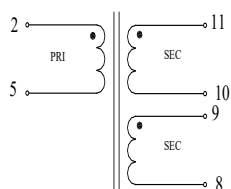
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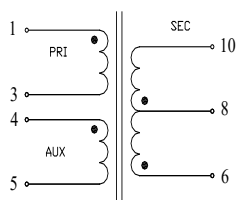
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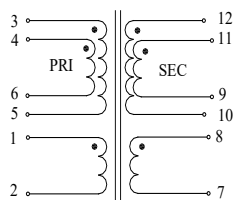
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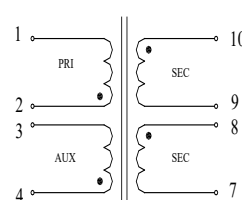
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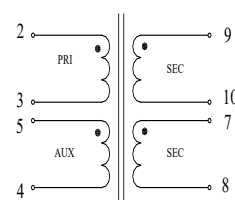
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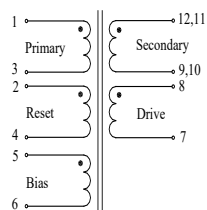
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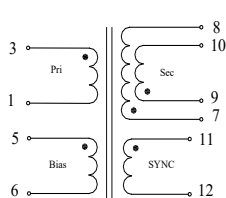
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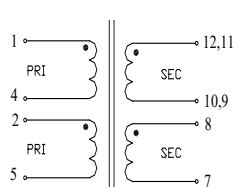
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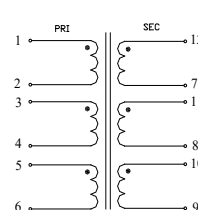
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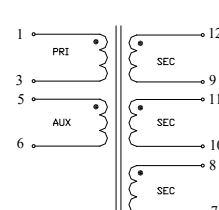
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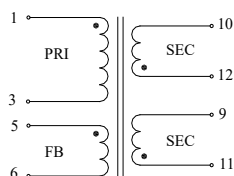
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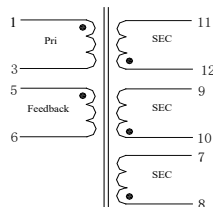
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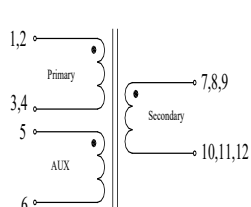
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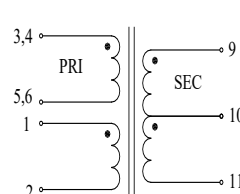
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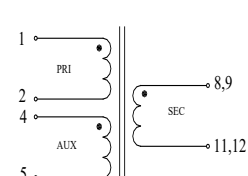
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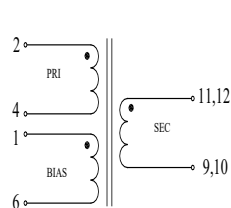
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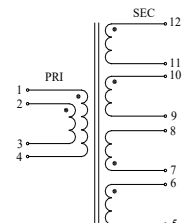
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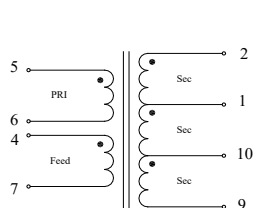
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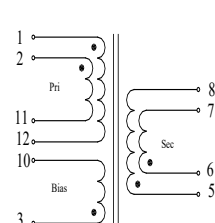
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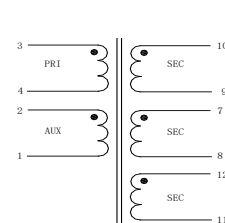
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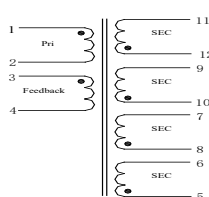
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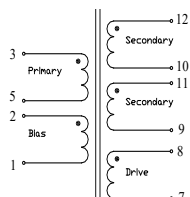
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M



R



Z