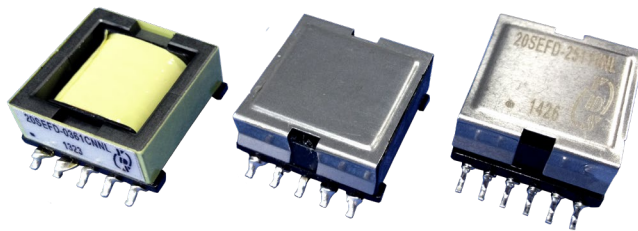


**Description:**

- EFD20 Platforms-SMT
- Power Range : Up to 95W
- Height : 11.5mmMAX
- Footprint : 22.0mmx29.5mm
- 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  
**20SEFD SERIES**

PoE

Up to 95W

SMD



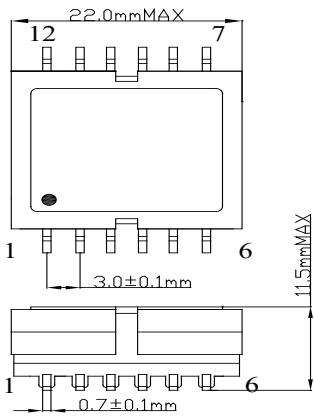
## Part Number Meaning

20SEFD -022 1 K NL  
A B C D E

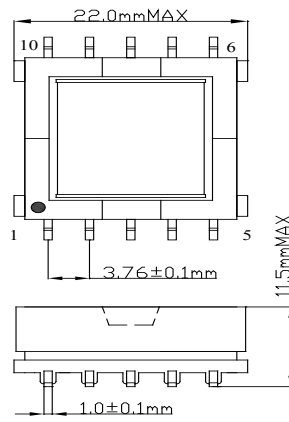
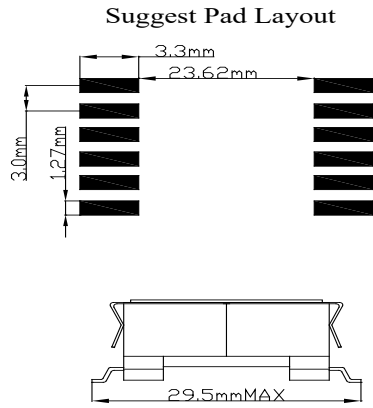
A:Series  
B:Inductance  
C:Sequence id  
D:Schematics  
E:ROHS

Part Number	Input	Output	Aux/bias	Oper. Freq	Turns ratio		L	DCR			Sch	Mech
					(KHZ)	Pri:sec		pri:sec: aux/bias	(Ohms MAX)			
				(uH)			Pri		sec	Aux /bia		
20SEFD-0221KNL	10~57V	5V,6A	12V	250	-	1:0.50:1.17	2.16±10%	9.0	4.5	200	K	S1
20SEFD-0361CNNL	12V	30V,0.7A 60V,0.2A 90V,0.12A	-	250	1:3:3:3	-	3.6±10%	8.0	180 200 250	-	CN	S2
20SEFD-0453KNL	9~36V	3.3V,10A	12V,20mA	200	-	3:1:3:5	4.5±7%	9.5	3.0	130	K	S1
20SEFD-0454KNL	9~36V	12V,3A	12V,20mA	200	-	0.86:1:1	4.5±5%	9.5	23	130	K	S1
20SEFD-0455KNL	9~36V	5V,7A	12V,20mA	200	-	1:0.5:1.165	4.5±5%	9.5	5.0	130	K	S1
20SEFD-0551BVNL	11~13V	24V,0.6A 9V,0.6A	10V,20mA	100	1:3.2:2	1:1:3	5.5±10%	50	400 280	350	BV	S3
20SEFD-0601KNL	20~72V	12V,5A	13V,20mA	200	-	1.29:1:1	6.48±5%	20	11.5	300	K	S1
20SEFD-0721BPNL	9~36V	3.3V,3A 5V,2A	13V,50mA	250	1:0.5:0.25	1:2	7.2±5%	52	10 8.0	240	BP	S1
20SEFD-0721DBNL	9~36V	2.5V,3A 3.3V,3A 5V,2A	13V,50mA	250	1:0.375 1:0.125 1:0.25	1:2	7.2±5%	52	9.0 3.5 9.0	240	DB	S1
20SEFD-0801CANL	20~48V	24V,1.3A	10V	200	-	2.4 : 2.4:1	8.0±10%	30	35	55	CA	S1
20SEFD-0881BLNL	33~57V	5.9V,6A 3.9V,1.6A	-	200	1:0.375:0.25	1:1	8.8±10%	28	10 8.0	140	BL	S1
20SEFD-0901AZNL	9~57V	5V,5A	10V,30mA	250	-	1:0.375:0.75	9.0±5%	18	5.0	350	AZ	S1
20SEFD-0902AZNL	10~57V	12V,2.1A	10V,30mA	250	-	1:0.875:0.75	9.0±10%	18	50.0	350	AZ	S1
20SEFD-0941SNL	18~57V	18V,1A	11V,20mA	250	-	1:1:0.64	9.35±10%	25	55	350	S	S1
20SEFD-1011VNL	36~72V	12V,5A	12V,20mA	250	-	2.0:1.0:0.7	100±12%	72	15	680	V	S1
20SEFD-1012VNL	36~72V	12V,5A	12V,20mA	250	-	2.0:1.0:1.0	100±12%	72	15	680	V	S1
20SEFD-1013VNL	36~72V	12V,5A	12V,20mA	250	-	22:11:6	100±12%	110	20	680	V	S1
20SEFD-1201CANL	30~75V	24V,1.3A	10V	250	-	1:0.67:0.33	12.0±10%	30	20	55	CA	S1
20SEFD-1201XNL	33~57V	5V,3A 3.3V,5A 11.3V,0.5A	-	200	4.0:1.5 4.0:1.0 4.0:3.5	4.0:4.0	11.5±10%	28	12 5.0 62	190	X	S1
20SEFD-1311VNL	36~72V	5V,50W	12V,20mA	250	-	1:0.4:0.7	130±25%	45	5.0	135	V	S1
20SEFD-1401BWNL	30~75V	12V,2.5A	10V	200	-	1:0.4:0.33	14.0±10%	40	10	70	BW	S1
20SEFD-1611BHNL	29.5~60V	5V,2.6A 5V,0.1A	10V,0.1A	300	1:0.42:0.42	1:0.83	160±10%	100	50 420	900	BH	S1
20SEFD-1701KNL	37~57V	12.5V,5.0A	12V,30mA	250	-	1:0.46:0.46	17±10%	48	11	325	K	S1
20SEFD-1711BBNL	40~60V	12V,5.84A 2V,0.01A	15V,10mA	275	1:0.67:0.25	1:0.83:1	172.8±28%	43	8.5 100	560 340	BB	S1
20SEFD-2101KNL	36~72V	12V,5A	13V,20mA	200	-	2.67:1:1.17	20.5±5%	39	8.5	230	K	S1
20SEFD-2511VNL	36~72V	5V,50W	12V,20mA	250	-	1:0.25:0.56	246MIN	67	5.0	175	V	S1
20SEFD-2901KNL	36~72V	5V,8A	13V,20mA	200	-	5.33:1.0:2.67	28.5±5%	39	3.5	230	K	S1
20SEFD-3111VNL	36~72V	12V,4.5A	12V,20mA	250	-	1.6:1:1	307±25%	65	27	240	V	S1
20SEFD-4001KNL	36~57V	12V,2.5A	7V	200	-	1:0.368:0.235	40.0±10%	80	30	180	K	S1
20SEFD-4001SNL	18~57V	5V,5A	11V,20mA	250	-	1:0.18:0.41	50.0±10%	35	5	315	S	S1
20SEFD-4201KNL	36~72V	5V,6A	12V,20mA	250	-	1:0.14:0.33	42.0±10%	69	5.0	225	K	S1
20SEFD-4202KNL	36~72V	12V,2.5A	12V,20mA	250	-	1:0.33:0.33	42.0±10%	65	20	195	K	S1
20SEFD-4203KNL	36~72V	24V,1.25A	12V,20mA	250	-	1:0.67:0.33	42.0±10%	60	55	195	K	S1
20SEFD-4204KNL	36~72V	3.3V,9A	12V,20mA	250	-	1:0.09:0.33	42.0±10%	70	2.3	220	K	S1
20SEFD-4205KNL	36~72V	19.5V,1.5A	12V,20mA	250	-	1:0.56:0.33	42.0±10%	60	37	195	K	S1
20SEFD-5002SNL	18~57V	12V,2.1A	11V,20mA	250	-	1:0.47:0.41	50.0±10%	26	25	315	S	S1
20SEFD-5003SNL	18~57V	24V,1.25A	11V,20mA	250	-	1:0.88:0.41	50.0±10%	26	80	315	S	S1
20SEFD-5004SNL	18~57V	3.3V,7.5A	11V,20mA	250	-	1:0.12:0.41	50.0±10%	26	2.6	328	S	S1
20SEFD-9001CCNL	10~57V	5V,5A	12V,20mA	250	-	1:0.8:1.9	90MIN	18	15	320	CC	S1
20SEFD-9002CCNL	10~57V	12V,2A	12V,20mA	250	-	1:1.9:1.9	90MIN	17.5	47	320	CC	S1
20SEFD-9301NNL	30~75V	5V,4.5A	12V,20mA	550	11:4:4	11:9:11	93MIN	35	15/15	100	N	S1

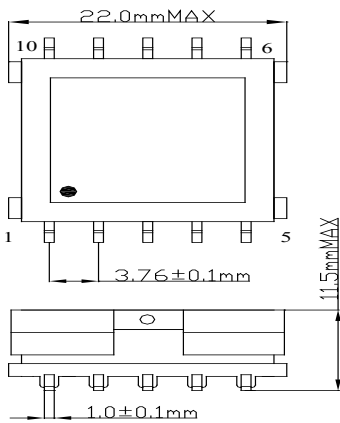
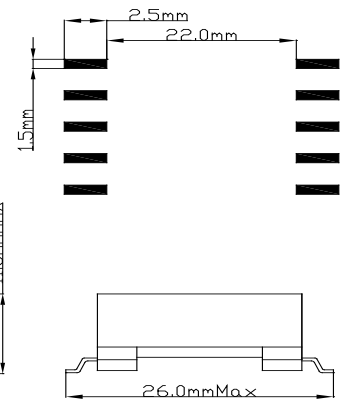
Mechanical Diagrams



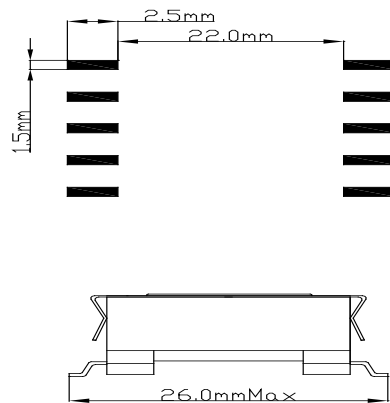
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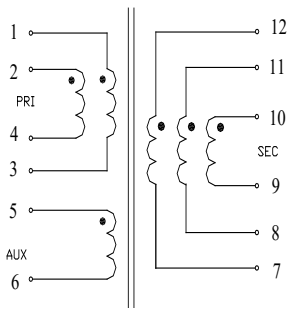
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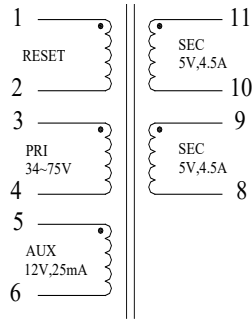
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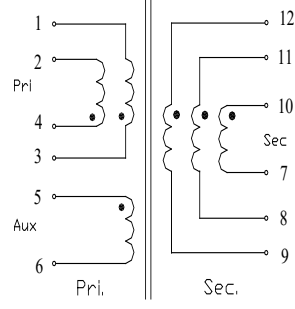
Schematics



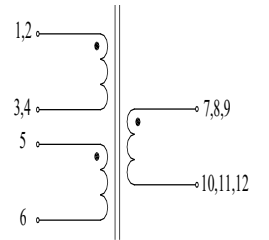
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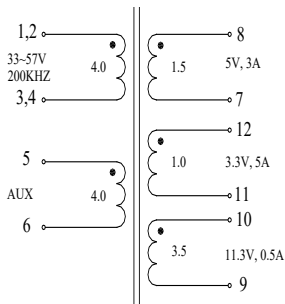
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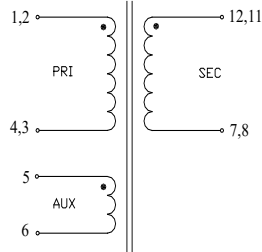
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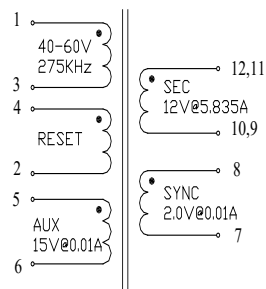
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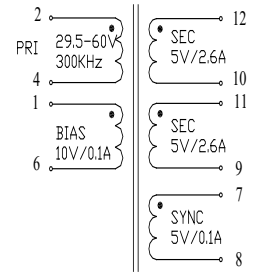
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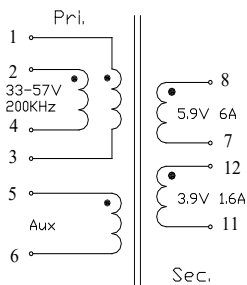
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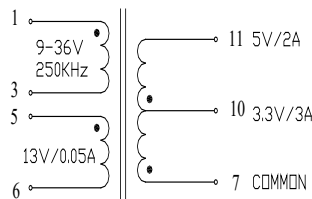
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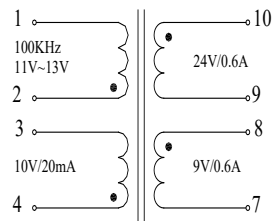
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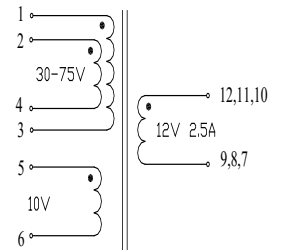
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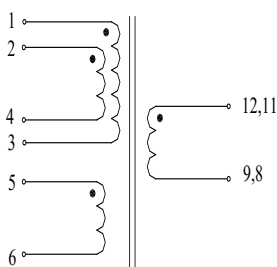
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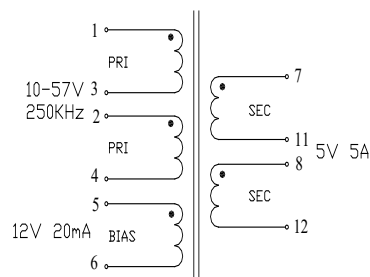
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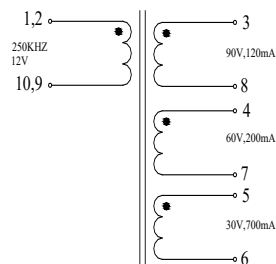
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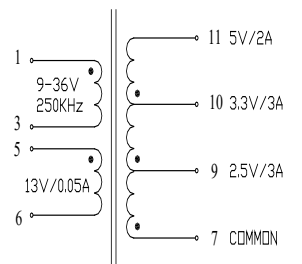
CA



CC



CN



DB