

STANDARD
ENCAPSULATED
TRANSFORMER



- Power – 0.6VA to 36VA
- Dielectric Strength – 3750Vrms
- High ambient operation temperature (+70°C maximum)
- Primary (115V 60Hz or 230V 50Hz)
- Secondary – Single or Dual
- Insulation Class – Class B (130°C)
- Safety Approvals – UL506, CSA C22.2 #6, TUV / EN61558, CE

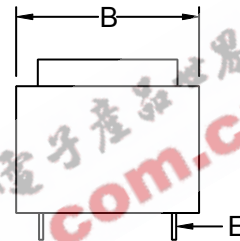
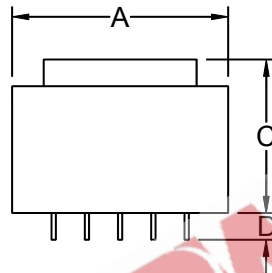
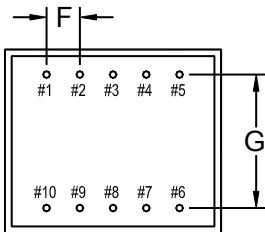
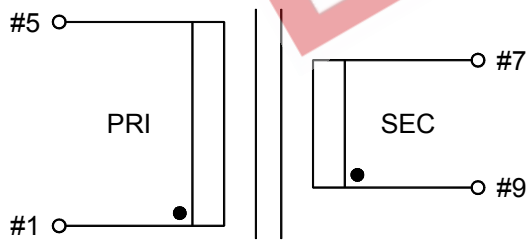
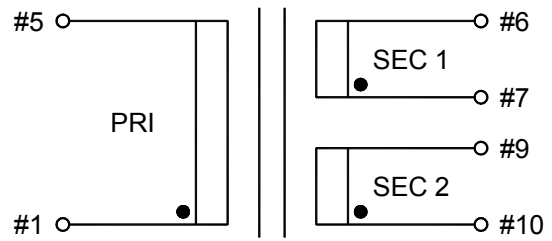


Fig A

Empty pin shall be omitted if necessary.



Single Output



Double Output

Series	Dimension (mm)						
	A	B	C	D	E	F	G
0.6 (VA)	32.6	27.6	15.2	4.0	0.64x0.64	5.0	20.0
1.0 (VA)	32.3	27.3	22.8	4.0	0.64x0.64	5.0	20.0
1.2 (VA)	32.3	27.3	22.8	4.0	0.64x0.64	5.0	20.0
1.5 (VA)	32.3	27.3	22.8	4.0	0.64x0.64	5.0	20.0
1.8 (VA)	32.6	27.6	27.8	4.0	0.64x0.64	5.0	20.0
2.1 (VA)	32.6	27.6	27.8	4.0	0.64x0.64	5.0	20.0
2.3 (VA)	32.6	27.6	29.8	4.0	0.64x0.64	5.0	20.0
2.4 (VA)	32.6	27.6	27.8	4.0	0.64x0.64	5.0	20.0
2.7 (VA)	32.6	27.6	29.8	4.0	0.64x0.64	5.0	20.0
2.8 (VA)	32.6	27.6	29.8	4.0	0.64x0.64	5.0	20.0
Tolerance (mm)	±0.5	±0.5	±0.5	±1.0	±0.1	±0.2	±0.5

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TRANSFORMER

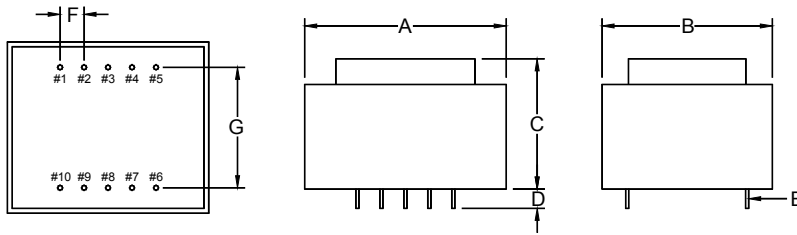


Fig B

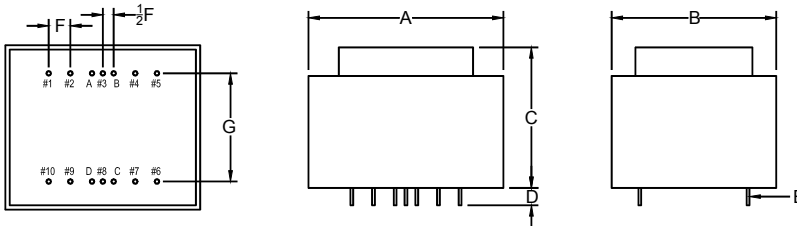


Fig C

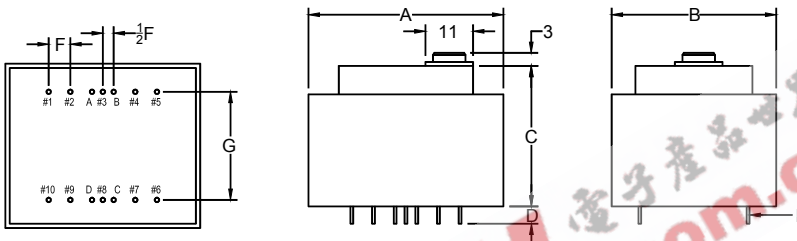


Fig D

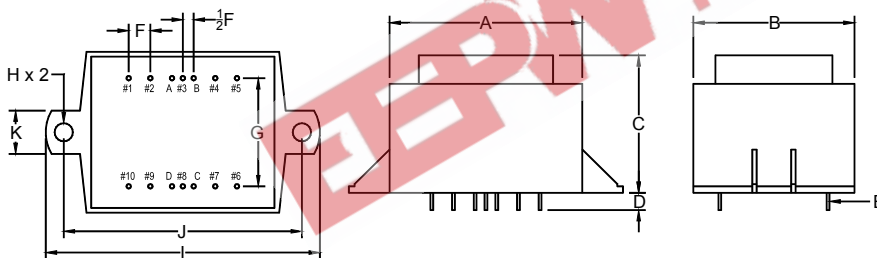
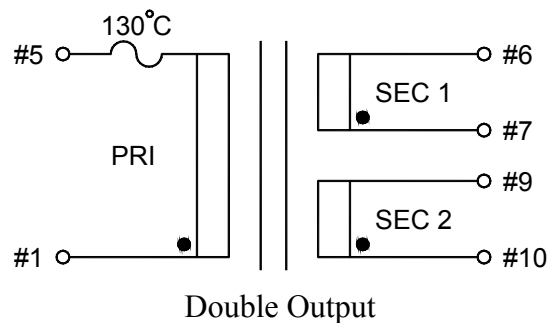
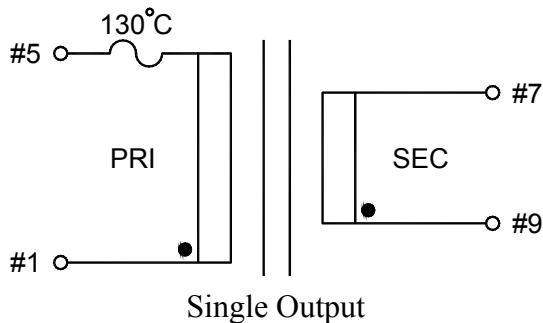


Fig E

Empty pin shall be omitted if necessary.



Series	Dimension (mm)											Fig
	A	B	C	D	E	F	G	H	I	J	K	
3.2 (VA)	41.5	35.5	28.5	4.0	0.64x0.64	5.0	25.0	--	--	--	--	B
4.0 (VA)	41.5	35.5	28.5	4.0	0.64x0.64	5.0	25.0	--	--	--	--	
5.0 (VA)	45.5	38.5	33.5	4.0	0.64x0.64	5.0	25.0	4.2	64.0	55.0	10.0	C, D, E
Tolerance (mm)	Max.	Max.	Max.	±1.0	±0.1	±0.2	±0.5	±0.2	Max	±0.5	±0.5	

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TRANSFORMER

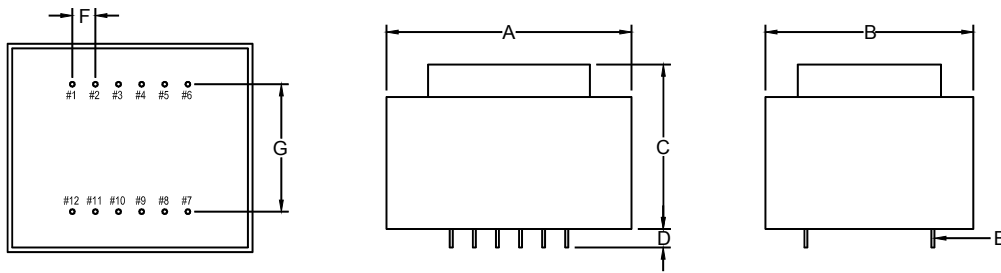


Fig F

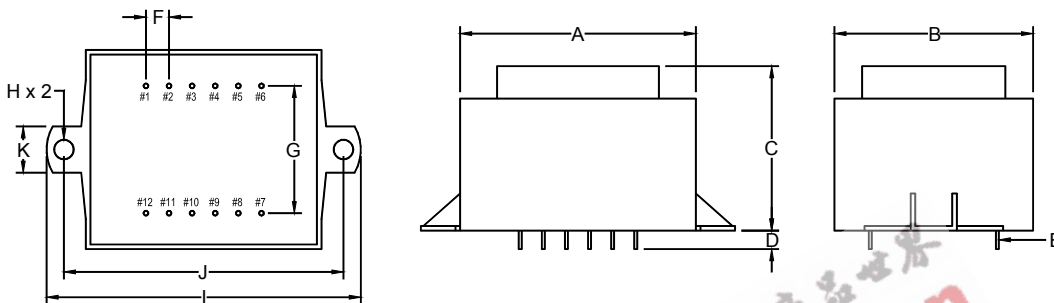


Fig G

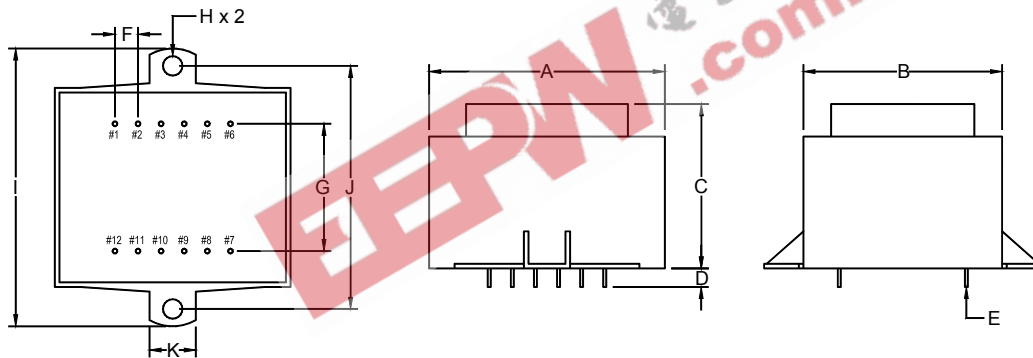
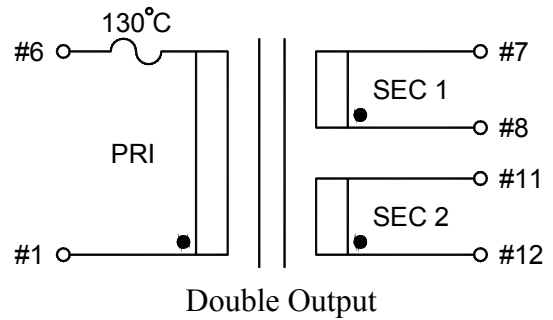
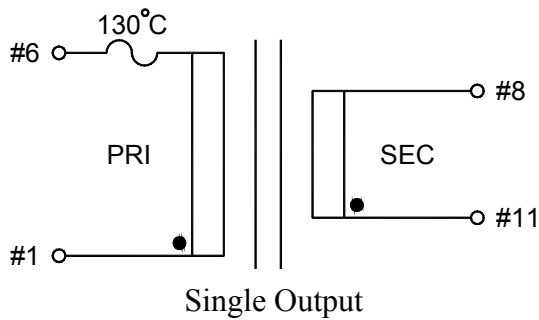


Fig H

Empty pin shall be omitted if necessary.



Series	Dimension (mm)										
	A	B	C	D	E	F	G	H	I	J	K
8.0 (VA)	53.0	45.0	35.5	4.0	0.64x0.64	5.0	27.5	∅4.2	67.0	60.5	10.0
10 (VA)	53.0	45.0	35.5	4.0	0.64x0.64	5.0	27.5	∅4.2	59.0	52.5	10.0
Tolerance (mm)	Max.	Max.	Max.	±1.0	±0.1	±0.2	±0.5	±0.2	Max.	±0.5	±0.5

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TRANSFORMER

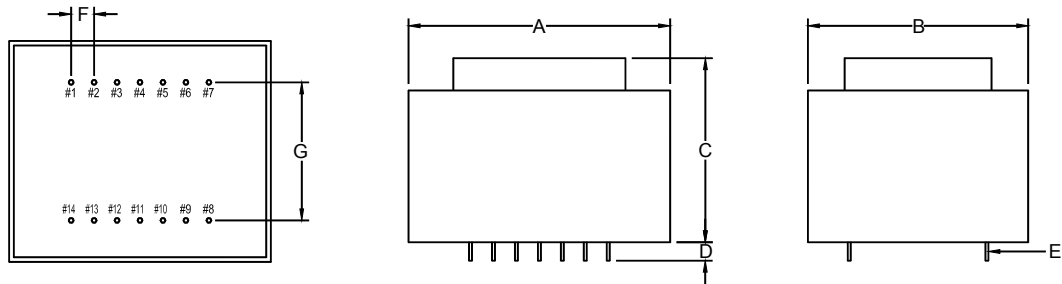


Fig I

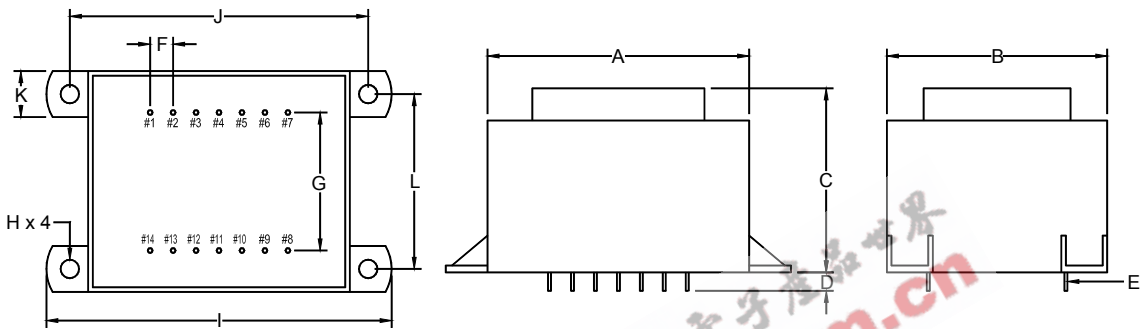
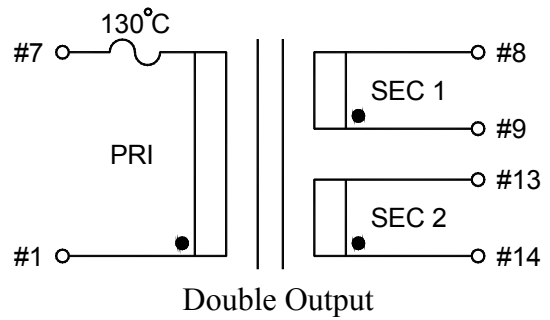
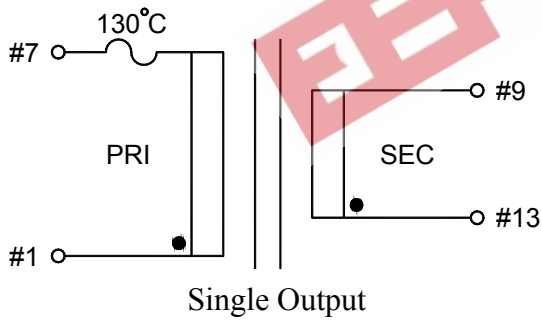


Fig J

Empty pin shall be omitted if necessary.



Series	Dimension (mm)											
	A	B	C	D	E	F	G	H	I	J	K	L
16 (VA)	58.5	49.5	40.0	4.0	0.64x0.64	5.0	30.0	∅4.2	76.5	65.0	10.0	37.5
Tolerance (mm)	Max.	Max.	Max.	±1.0	±0.1	±0.2	±0.5	±0.2	Max.	±0.5	±0.5	±0.5

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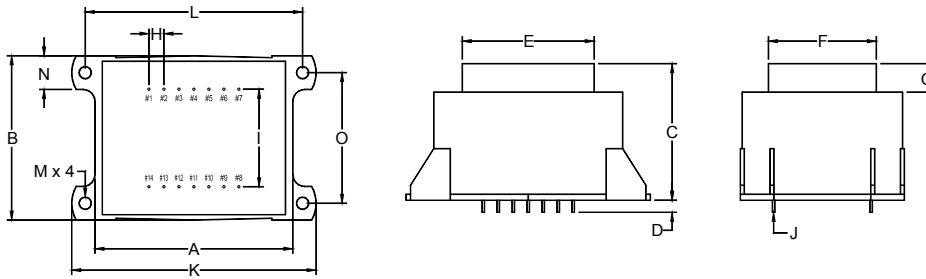
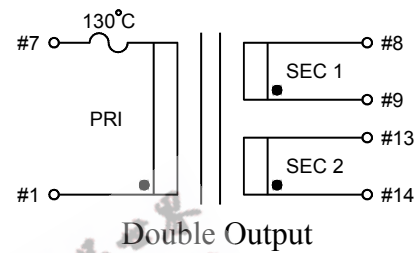
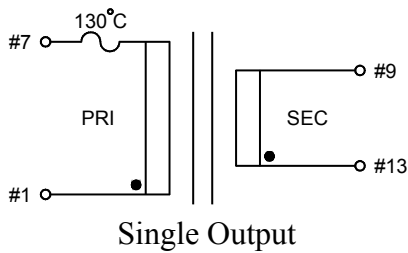


Fig K

Empty pin shall be omitted if necessary.



Series	Dimension (mm)											
	A	B	C	D	E	F	G	H	I	J	K	L
20 (VA)	67.0	56.0	46.5	4.0	∅0.8	5.0	32.5	∅4.2	82.5	72.5	11.2	43.5
22 (VA)	67.0	56.0	46.5	4.0	∅0.8	5.0	32.5	∅4.2	82.5	72.5	11.2	43.5
25 (VA)	67.0	56.0	46.5	4.0	∅0.8	5.0	32.5	∅4.2	82.5	72.5	11.2	43.5
Tolerance (mm)	Max.	Max.	Max.	±1.0	±0.1	±0.2	±0.5	±0.2	Max.	±0.5	±0.5	±0.5

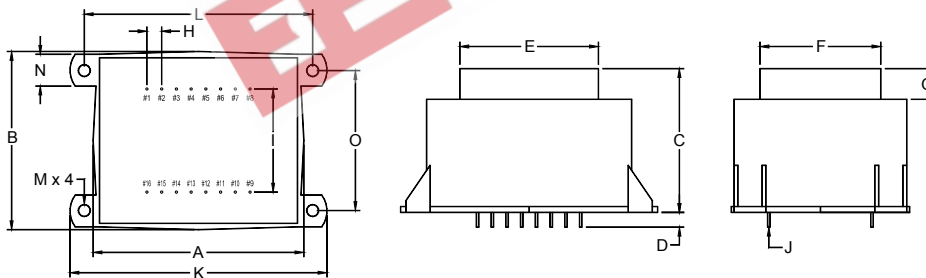
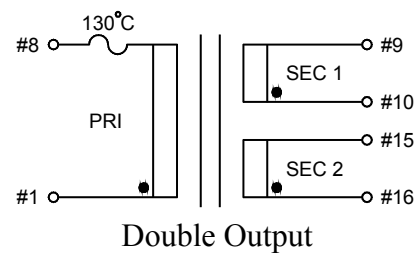
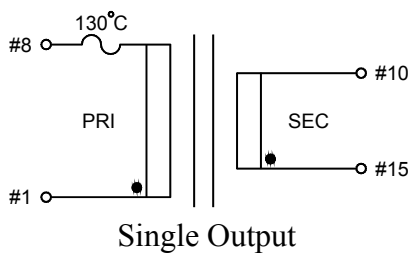


Fig L

Empty pin shall be omitted if necessary.



Series	Dimension (mm)											
	A	B	C	D	E	F	G	H	I	J	K	L
30 (VA)	72.5	61.0	50.0	4.0	∅0.8	5.0	35.0	∅4.2	88.0	77.5	10.8	47.5
36 (VA)	72.5	61.0	50.0	4.0	∅0.8	5.0	35.0	∅4.2	88.0	77.5	10.8	47.5
Tolerance (mm)	Max.	Max.	Max.	±1.0	±0.1	±0.2	±0.5	±0.2	Max.	±0.5	±0.5	±0.5

STANDARD
ENCAPSULATED
TRANSFORMER

Series	Part Number 230V/50Hz	Part Number 115V/60Hz	Output Voltage (V)	Output Current (mA)	Part Number 230V/50Hz	Part Number 115V/60Hz	Output Voltage (V)	Output Current (mA)
0.6VA	TL30S-060-100	TL30US-060-100	6	100	TL30D-060-050	TL30UD-060-050	6 x 2	50
	TL30S-072-083	TL30US-072-083	7.2	83	TL30D-072-042	TL30UD-072-042	7.2 x 2	42
	TL30S-090-067	TL30US-090-067	9	67	TL30D-090-033	TL30UD-090-033	9 x 2	33
	TL30S-100-060	TL30US-100-060	10	60	TL30D-100-030	TL30UD-100-030	10 x 2	30
	TL30S-120-050	TL30US-120-050	12	50	TL30D-120-025	TL30UD-120-025	12 x 2	25
	TL30S-150-040	TL30US-150-040	15	40	TL30D-150-020	TL30UD-150-020	15 x 2	20
	TL30S-180-033	TL30US-180-033	18	33	TL30D-180-017	TL30UD-180-017	18 x 2	17
	TL30S-240-025	TL30US-240-025	24	25	TL30D-240-012	TL30UD-240-012	24 x 2	12
1.0VA	TL30S-060-167	TL30US-060-167	6	167	TL30D-060-083	TL30UD-060-083	6 x 2	83
	TL30S-072-139	TL30US-072-139	7.2	139	TL30D-072-069	TL30UD-072-069	7.2 x 2	69
	TL30S-090-111	TL30US-090-111	9	111	TL30D-090-056	TL30UD-090-056	9 x 2	56
	TL30S-100-100	TL30US-100-100	10	100	TL30D-100-050	TL30UD-100-050	10 x 2	50
	TL30S-120-083	TL30US-120-083	12	83	TL30D-120-042	TL30UD-120-042	12 x 2	42
	TL30S-150-067	TL30US-150-067	15	67	TL30D-150-033	TL30UD-150-033	15 x 2	33
	TL30S-180-056	TL30US-180-056	18	56	TL30D-180-028	TL30UD-180-028	18 x 2	28
	TL30S-240-042	TL30US-240-042	24	42	TL30D-240-021	TL30UD-240-021	24 x 2	21
1.2VA	TL30S-060-200	TL30US-060-200	6	200	TL30D-060-100	TL30UD-060-100	6 x 2	100
	TL30S-072-167	TL30US-072-167	7.2	167	TL30D-072-083	TL30UD-072-083	7.2 x 2	83
	TL30S-090-133	TL30US-090-133	9	133	TL30D-090-067	TL30UD-090-067	9 x 2	67
	TL30S-100-120	TL30US-100-120	10	120	TL30D-100-060	TL30UD-100-060	10 x 2	60
	TL30S-120-100	TL30US-120-100	12	100	TL30D-120-050	TL30UD-120-050	12 x 2	50
	TL30S-150-080	TL30US-150-080	15	80	TL30D-150-040	TL30UD-150-040	15 x 2	40
	TL30S-180-067	TL30US-180-067	18	67	TL30D-180-033	TL30UD-180-033	18 x 2	33
	TL30S-240-050	TL30US-240-050	24	50	TL30D-240-025	TL30UD-240-025	24 x 2	25
1.5VA	TL30S-060-250	TL30US-060-250	6	250	TL30D-060-125	TL30UD-060-125	6 x 2	125
	TL30S-072-208	TL30US-072-208	7.2	208	TL30D-072-104	TL30UD-072-104	7.2 x 2	104
	TL30S-090-167	TL30US-090-167	9	167	TL30D-090-083	TL30UD-090-083	9 x 2	83
	TL30S-100-150	TL30US-100-150	10	150	TL30D-100-075	TL30UD-100-075	10 x 2	75
	TL30S-120-125	TL30US-120-125	12	125	TL30D-120-062	TL30UD-120-062	12 x 2	62
	TL30S-150-100	TL30US-150-100	15	100	TL30D-150-050	TL30UD-150-050	15 x 2	50
	TL30S-180-083	TL30US-180-083	18	83	TL30D-180-042	TL30UD-180-042	18 x 2	42
	TL30S-240-062	TL30US-240-062	24	62	TL30D-240-031	TL30UD-240-031	24 x 2	31
1.8VA	TL30S-060-300	TL30US-060-300	6	300	TL30D-060-150	TL30UD-060-150	6 x 2	150
	TL30S-072-250	TL30US-072-250	7.2	250	TL30D-072-125	TL30UD-072-125	7.2 x 2	125
	TL30S-090-200	TL30US-090-200	9	200	TL30D-090-100	TL30UD-090-100	9 x 2	100
	TL30S-100-180	TL30US-100-180	10	180	TL30D-100-090	TL30UD-100-090	10 x 2	90
	TL30S-120-150	TL30US-120-150	12	150	TL30D-120-075	TL30UD-120-075	12 x 2	75
	TL30S-150-120	TL30US-150-120	15	120	TL30D-150-060	TL30UD-150-060	15 x 2	60
	TL30S-180-100	TL30US-180-100	18	100	TL30D-180-050	TL30UD-180-050	18 x 2	50
	TL30S-240-076	TL30US-240-076	24	76	TL30D-240-038	TL30UD-240-038	24 x 2	38
2.1VA	TL30S-060-350	TL30US-060-350	6	350	TL30D-060-175	TL30UD-060-175	6 x 2	175
	TL30S-072-292	TL30US-072-292	7.2	292	TL30D-072-146	TL30UD-072-146	7.2 x 2	146
	TL30S-090-234	TL30US-090-234	9	234	TL30D-090-117	TL30UD-090-117	9 x 2	117
	TL30S-100-210	TL30US-100-210	10	210	TL30D-100-105	TL30UD-100-105	10 x 2	105
	TL30S-120-176	TL30US-120-176	12	176	TL30D-120-088	TL30UD-120-088	12 x 2	88
	TL30S-150-140	TL30US-150-140	15	140	TL30D-150-070	TL30UD-150-070	15 x 2	70
	TL30S-180-118	TL30US-180-118	18	118	TL30D-180-059	TL30UD-180-059	18 x 2	59
	TL30S-240-088	TL30US-240-088	24	88	TL30D-240-044	TL30UD-240-044	24 x 2	44
2.3VA	TL30S-060-383	TL30US-060-383	6	383	TL30D-060-191	TL30UD-060-191	6 x 2	191
	TL30S-072-319	TL30US-072-319	7.2	319	TL30D-072-159	TL30UD-072-159	7.2 x 2	159
	TL30S-090-255	TL30US-090-255	9	255	TL30D-090-127	TL30UD-090-127	9 x 2	127
	TL30S-100-230	TL30US-100-230	10	230	TL30D-100-115	TL30UD-100-115	10 x 2	115
	TL30S-120-191	TL30US-120-191	12	191	TL30D-120-095	TL30UD-120-095	12 x 2	95
	TL30S-150-153	TL30US-150-153	15	153	TL30D-150-076	TL30UD-150-076	15 x 2	76
	TL30S-180-127	TL30US-180-127	18	127	TL30D-180-063	TL30UD-180-063	18 x 2	63
	TL30S-240-096	TL30US-240-096	24	96	TL30D-240-048	TL30UD-240-048	24 x 2	48

STANDARD
ENCAPSULATED
TRANSFORMER

Series	Part Number 230V/50Hz	Part Number 115V/60Hz	Output Voltage (V)	Output Current (mA)	Part Number 230V/50Hz	Part Number 115V/60Hz	Output Voltage (V)	Output Current (mA)
2.4VA	TL30S-060-400	TL30US-060-400	6	400	TL30D-060-200	TL30UD-060-200	6 x 2	200
	TL30S-072-334	TL30US-072-334	7.2	334	TL30D-072-167	TL30UD-072-167	7.2 x 2	167
	TL30S-090-268	TL30US-090-268	9	268	TL30D-090-134	TL30UD-090-134	9 x 2	134
	TL30S-100-240	TL30US-100-240	10	240	TL30D-100-120	TL30UD-100-120	10 x 2	120
	TL30S-120-200	TL30US-120-200	12	200	TL30D-120-100	TL30UD-120-100	12 x 2	100
	TL30S-150-160	TL30US-150-160	15	160	TL30D-150-080	TL30UD-150-080	15 x 2	80
	TL30S-180-134	TL30US-180-134	18	134	TL30D-180-067	TL30UD-180-067	18 x 2	67
	TL30S-240-100	TL30US-240-100	24	100	TL30D-240-050	TL30UD-240-050	24 x 2	50
2.7VA	TL30S-060-450	TL30US-060-450	6	450	TL30D-060-225	TL30UD-060-225	6 x 2	225
	TL30S-072-375	TL30US-072-375	7.2	375	TL30D-072-187	TL30UD-072-187	7.2 x 2	187
	TL30S-090-300	TL30US-090-300	9	300	TL30D-090-150	TL30UD-090-150	9 x 2	150
	TL30S-100-270	TL30US-100-270	10	270	TL30D-100-135	TL30UD-100-135	10 x 2	135
	TL30S-120-225	TL30US-120-225	12	225	TL30D-120-112	TL30UD-120-112	12 x 2	112
	TL30S-150-180	TL30US-150-180	15	180	TL30D-150-090	TL30UD-150-090	15 x 2	90
	TL30S-180-150	TL30US-180-150	18	150	TL30D-180-075	TL30UD-180-075	18 x 2	75
	TL30S-240-112	TL30US-240-112	24	112	TL30D-240-056	TL30UD-240-056	24 x 2	56
2.8VA	TL30S-060-466	TL30US-060-466	6	466	TL30D-060-233	TL30UD-060-233	6 x 2	233
	TL30S-072-388	TL30US-072-388	7.2	388	TL30D-072-194	TL30UD-072-194	7.2 x 2	194
	TL30S-090-311	TL30US-090-311	9	311	TL30D-090-155	TL30UD-090-155	9 x 2	155
	TL30S-100-280	TL30US-100-280	10	280	TL30D-100-140	TL30UD-100-140	10 x 2	140
	TL30S-120-233	TL30US-120-233	12	233	TL30D-120-116	TL30UD-120-116	12 x 2	116
	TL30S-150-186	TL30US-150-186	15	186	TL30D-150-093	TL30UD-150-093	15 x 2	93
	TL30S-180-155	TL30US-180-155	18	155	TL30D-180-077	TL30UD-180-077	18 x 2	77
	TL30S-240-116	TL30US-240-116	24	116	TL30D-240-058	TL30UD-240-058	24 x 2	58
3.2VA	TL38S-060-533	TL38US-060-533	6	533	TL38D-060-266	TL38UD-060-266	6 x 2	266
	TL38S-072-444	TL38US-072-444	7.2	444	TL38D-072-222	TL38UD-072-222	7.2 x 2	222
	TL38S-090-355	TL38US-090-355	9	355	TL38D-090-177	TL38UD-090-177	9 x 2	177
	TL38S-100-320	TL38US-100-320	10	320	TL38D-100-160	TL38UD-100-160	10 x 2	160
	TL38S-120-266	TL38US-120-266	12	266	TL38D-120-133	TL38UD-120-133	12 x 2	133
	TL38S-150-213	TL38US-150-213	15	213	TL38D-150-106	TL38UD-150-106	15 x 2	106
	TL38S-180-177	TL38US-180-177	18	177	TL38D-180-088	TL38UD-180-088	18 x 2	88
	TL38S-240-133	TL38US-240-133	24	133	TL38D-240-066	TL38UD-240-066	24 x 2	66
4VA	TL38S-060-666	TL38US-060-666	6	666	TL38D-060-333	TL38UD-060-333	6 x 2	333
	TL38S-072-556	TL38US-072-556	7.2	556	TL38D-072-278	TL38UD-072-278	7.2 x 2	278
	TL38S-090-444	TL38US-090-444	9	444	TL38D-090-222	TL38UD-090-222	9 x 2	222
	TL38S-100-400	TL38US-100-400	10	400	TL38D-100-200	TL38UD-100-200	10 x 2	200
	TL38S-120-333	TL38US-120-333	12	333	TL38D-120-167	TL38UD-120-167	12 x 2	167
	TL38S-150-267	TL38US-150-267	15	267	TL38D-150-133	TL38UD-150-133	15 x 2	133
	TL38S-180-222	TL38US-180-222	18	222	TL38D-180-111	TL38UD-180-111	18 x 2	111
	TL38S-240-167	TL38US-240-167	24	167	TL38D-240-083	TL38UD-240-083	24 x 2	83
5VA	TL42S-060-833	TL42US-060-833	6	833	TL42D-060-416	TL42UD-060-416	6 x 2	416
	TL42S-072-694	TL42US-072-694	7.2	694	TL42D-072-347	TL42UD-072-347	7.2 x 2	347
	TL42S-090-555	TL42US-090-555	9	555	TL42D-090-277	TL42UD-090-277	9 x 2	277
	TL42S-100-500	TL42US-100-500	10	500	TL42D-100-250	TL42UD-100-250	10 x 2	250
	TL42S-120-416	TL42US-120-416	12	416	TL42D-120-208	TL42UD-120-208	12 x 2	208
	TL42S-150-333	TL42US-150-333	15	333	TL42D-150-166	TL42UD-150-166	15 x 2	166
	TL42S-180-277	TL42US-180-277	18	277	TL42D-180-138	TL42UD-180-138	18 x 2	138
	TL42S-240-208	TL42US-240-208	24	208	TL42D-240-104	TL42UD-240-104	24 x 2	104
8VA	TL48S-060-1333	TL48US-060-1333	6	1333	TL48D-060-0666	TL48UD-060-0666	6 x 2	666
	TL48S-072-1111	TL48US-072-1111	7.2	1111	TL48D-072-0555	TL48UD-072-0555	7.2 x 2	555
	TL48S-090-0888	TL48US-090-0888	9	888	TL48D-090-0444	TL48UD-090-0444	9 x 2	444
	TL48S-100-0800	TL48US-100-0800	10	800	TL48D-100-0400	TL48UD-100-0400	10 x 2	400
	TL48S-120-0666	TL48US-120-0666	12	666	TL48D-120-0333	TL48UD-120-0333	12 x 2	333
	TL48S-150-0533	TL48US-150-0533	15	533	TL48D-150-0266	TL48UD-150-0266	15 x 2	266
	TL48S-180-0444	TL48US-180-0444	18	444	TL48D-180-0222	TL48UD-180-0222	18 x 2	222
	TL48S-240-0333	TL48US-240-0333	24	333	TL48D-240-0166	TL48UD-240-0166	24 x 2	166