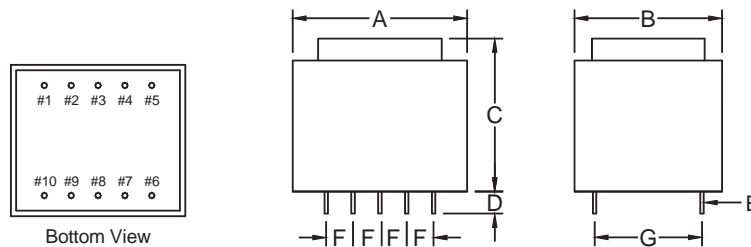




## Type EI30 / 12.5

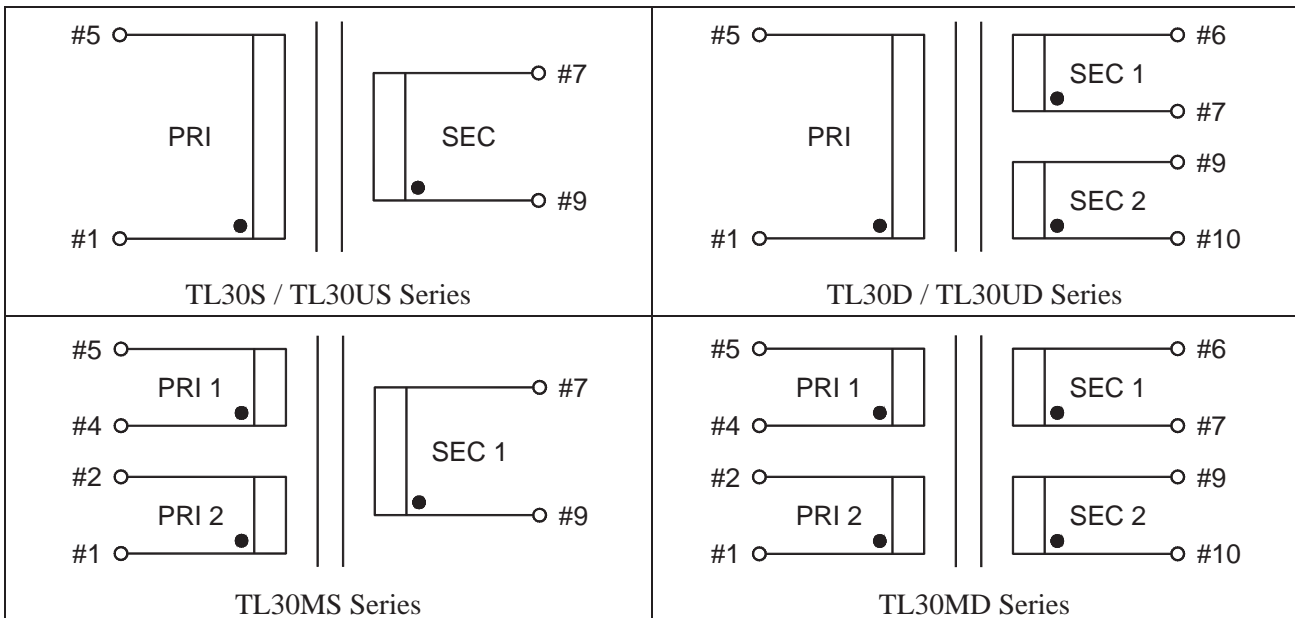
- Power – 1.0/1.2/1.5VA
- Frequency – 50/60 Hz
- Temperature class – Class B (130°C)
- Ambient temperature (ta) – 70°C
- Dielectric strength – 3750Vrms
- Potted under vacuum
- Short-circuit-proof
- Agency approvals – C-UL: CSA C22.2 #66; UL: UL506; TUV: EN61558 / EN60950; CE



	A	B	C (note 2)	D	E	F	G	Weight (g)
<b>Dimension (mm)</b>	32.3	27.3	21.3	4.0	SQ0.64	5.0	20.0	80
<b>Tolerance (mm)</b>	±0.5	±0.5	±0.5	±1.0	±0.1	±0.2	±0.5	approx.

Note: 1) Unused pins are omitted for standard parts. Unused pins can be provided upon request.  
 2) For the TL30UD & TL30US series, dimension C should be 22.8±0.5mm.

### Schematics



Pins Connection (for dual windings items)	Primary	In Series In Parallel	Pin 1 – Pin 5 (Pins 2, 4 short) Pin 1 – Pin 5 (Pins 1, 4 short; Pins 2, 5 short)
	Secondary	In Series In Parallel	Pin 7 – Pin 9 (Pins 6, 10 short) Pin 7 – Pin 9 (Pins 7, 10 short; Pins 6, 9 short)

Product Series	Primary (V)	Single Secondary			Dual Secondary			ta (°C)	Agency Approval
		Part Number	Secondary Rating		Part Number	Secondary Rating			
			(V)	(mA)		(V)	(mA)		
1.0VA	230	TL30S-060-167	6	167	TL30D-060-083	2 x 6	83	70	TUV CE
		TL30S-072-139	7.2	139	TL30D-072-069	2 x 7.2	69		
		TL30S-090-111	9	111	TL30D-090-056	2 x 9	56		
		TL30S-100-100	10	100	TL30D-100-050	2 x 10	50		
		TL30S-120-083	12	83	TL30D-120-042	2 x 12	42		
		TL30S-150-067	15	67	TL30D-150-033	2 x 15	33		
		TL30S-180-056	18	56	TL30D-180-028	2 x 18	28		
		TL30S-240-042	24	42	TL30D-240-021	2 x 24	21		
	115	TL30US-060-167	6	167	TL30UD-060-083	2 x 6	83	70	UL C-UL
		TL30US-072-139	7.2	139	TL30UD-072-069	2 x 7.2	69		
		TL30US-090-111	9	111	TL30UD-090-056	2 x 9	56		
		TL30US-100-100	10	100	TL30UD-100-050	2 x 10	50		
		TL30US-120-083	12	83	TL30UD-120-042	2 x 12	42		
		TL30US-150-067	15	67	TL30UD-150-033	2 x 15	33		
		TL30US-180-056	18	56	TL30UD-180-028	2 x 18	28		
		TL30US-240-042	24	42	TL30UD-240-021	2 x 24	21		
	2x115	TL30MS-060-167	6	167	TL30MD-060-083	2 x 6	83	70	UL C-UL TUV CE
		TL30MS-072-139	7.2	139	TL30MD-072-069	2 x 7.2	69		
		TL30MS-090-111	9	111	TL30MD-090-056	2 x 9	56		
		TL30MS-100-100	10	100	TL30MD-100-050	2 x 10	50		
		TL30MS-120-083	12	83	TL30MD-120-042	2 x 12	42		
		TL30MS-150-067	15	67	TL30MD-150-033	2 x 15	33		
		TL30MS-180-056	18	56	TL30MD-180-028	2 x 18	28		
		TL30MS-240-042	24	42	TL30MD-240-021	2 x 24	21		
1.2VA	230	TL30S-060-200	6	200	TL30D-060-100	2 x 6	100	70	TUV CE
		TL30S-072-167	7.2	167	TL30D-072-083	2 x 7.2	83		
		TL30S-090-133	9	133	TL30D-090-067	2 x 9	67		
		TL30S-100-120	10	120	TL30D-100-060	2 x 10	60		
		TL30S-120-100	12	100	TL30D-120-050	2 x 12	50		
		TL30S-150-080	15	80	TL30D-150-040	2 x 15	40		
		TL30S-180-067	18	67	TL30D-180-033	2 x 18	33		
		TL30S-240-050	24	50	TL30D-240-025	2 x 24	25		
	115	TL30US-060-200	6	200	TL30UD-060-100	2 x 6	100	70	UL C-UL
		TL30US-072-167	7.2	167	TL30UD-072-083	2 x 7.2	83		
		TL30US-090-133	9	133	TL30UD-090-067	2 x 9	67		
		TL30US-100-120	10	120	TL30UD-100-060	2 x 10	60		
		TL30US-120-100	12	100	TL30UD-120-050	2 x 12	50		
		TL30US-150-080	15	80	TL30UD-150-040	2 x 15	40		
		TL30US-180-067	18	67	TL30UD-180-033	2 x 18	33		
		TL30US-240-050	24	50	TL30UD-240-025	2 x 24	25		
	2x115	TL30MS-060-200	6	200	TL30MD-060-100	2 x 6	100	70	UL C-UL TUV CE
		TL30MS-072-167	7.2	167	TL30MD-072-083	2 x 7.2	83		
		TL30MS-090-133	9	133	TL30MD-090-067	2 x 9	67		
		TL30MS-100-120	10	120	TL30MD-100-060	2 x 10	60		
		TL30MS-120-100	12	100	TL30MD-120-050	2 x 12	50		
		TL30MS-150-080	15	80	TL30MD-150-040	2 x 15	40		
		TL30MS-180-067	18	67	TL30MD-180-033	2 x 18	33		
		TL30MS-240-050	24	50	TL30MD-240-025	2 x 24	25		

Product Series	Primary (V)	Single Secondary			Dual Secondary			ta (°C)	Agency Approval
		Part Number	Secondary Rating		Part Number	Secondary Rating			
			(V)	(mA)		(V)	(mA)		
1.5VA	230	TL30S-060-250	6	250	TL30D-060-125	2 x 6	125	70	TUV CE
		TL30S-072-208	7.2	208	TL30D-072-104	2 x 7.2	104		
		TL30S-090-167	9	167	TL30D-090-083	2 x 9	83		
		TL30S-100-150	10	150	TL30D-100-075	2 x 10	75		
		TL30S-120-125	12	125	TL30D-120-062	2 x 12	62		
		TL30S-150-100	15	100	TL30D-150-050	2 x 15	50		
		TL30S-180-083	18	83	TL30D-180-042	2 x 18	42		
		TL30S-240-062	24	62	TL30D-240-031	2 x 24	31		
	115	TL30US-060-250	6	250	TL30UD-060-125	2 x 6	125	70	UL C-UL
		TL30US-072-208	7.2	208	TL30UD-072-104	2 x 7.2	104		
		TL30US-090-167	9	167	TL30UD-090-083	2 x 9	83		
		TL30US-100-150	10	150	TL30UD-100-075	2 x 10	75		
		TL30US-120-125	12	125	TL30UD-120-062	2 x 12	62		
		TL30US-150-100	15	100	TL30UD-150-050	2 x 15	50		
		TL30US-180-083	18	83	TL30UD-180-042	2 x 18	42		
		TL30US-240-062	24	62	TL30UD-240-031	2 x 24	31		
	2x115	TL30MS-060-250	6	250	TL30MD-060-125	2 x 6	125	70	UL C-UL TUV CE
		TL30MS-072-208	7.2	208	TL30MD-072-104	2 x 7.2	104		
		TL30MS-090-167	9	167	TL30MD-090-083	2 x 9	83		
		TL30MS-100-150	10	150	TL30MD-100-075	2 x 10	75		
		TL30MS-120-125	12	125	TL30MD-120-062	2 x 12	62		
		TL30MS-150-100	15	100	TL30MD-150-050	2 x 15	50		
		TL30MS-180-083	18	83	TL30MD-180-042	2 x 18	42		
		TL30MS-240-062	24	62	TL30MD-240-031	2 x 24	31		