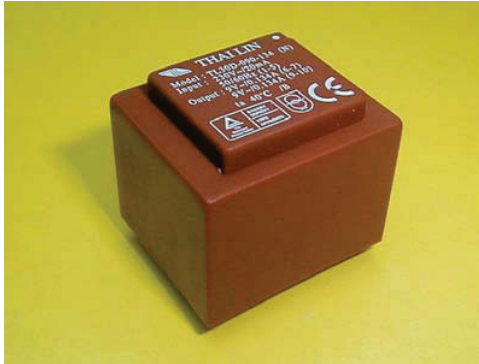


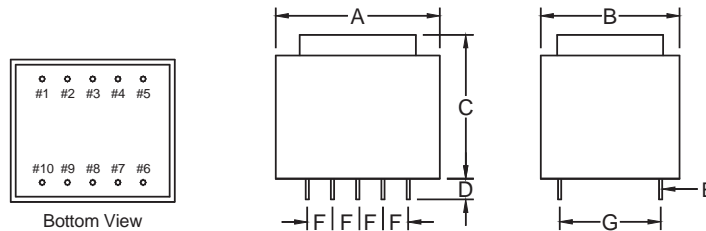
# A lfaMag Electronics

STANDARD  
ENCAPSULATED  
TRANSFORMER  
TYPE EI30 / 15.5



## Type EI30 / 15.5

- Power – 1.8/2.1/2.4/2.6VA
- Frequency – 50/60 Hz
- Temperature class – Class B (130°C)
- Ambient temperature (ta) – 40°C or 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	D	E	F	G	Weight (g)
<b>Dimension (mm)</b>	32.6	27.6	27.8	4.0	SQ0.64	5.0	20.0	100
<b>Tolerance (mm)</b>	±0.5	±0.5	±0.5	±1.0	±0.1	±0.2	±0.5	approx.

Note: unused pins are omitted for standard parts. Unused pins can be provided upon request.

## Schematics

<p>TL30S / TL30US Series</p>	<p>TL30D / TL30UD Series</p>		
<p>TL30MS Series</p>	<p>TL30MD Series</p>		
Pins Connection (for dual windings items)	Primary	In Series	Pin 1 – Pin 5 (Pins 2, 4 short)
	Secondary	In Parallel	Pin 1 – Pin 5 (Pins 1, 4 short; Pins 2, 5 short)
		In Series	Pin 7 – Pin 9 (Pins 6, 10 short)
		In Parallel	Pin 7 – Pin 9 (Pins 7, 10 short; Pins 6, 9 short)

# A lfaMag Electronics

STANDARD  
ENCAPSULATED  
TRANSFORMER  
TYPE EI30 / 15.5

Product Series	Primary (V)	Single Secondary			Dual Secondary			ta (°C)	Agency Approval
		Part Number	Secondary Rating		Part Number	Secondary Rating			
			(V)	(mA)		(V)	(mA)		
1.8VA	230	TL30S-060-300	6	300	TL30D-060-150	2 x 6	150	70	TUV CE
		TL30S-072-250	7.2	250	TL30D-072-125	2 x 7.2	125		
		TL30S-090-200	9	200	TL30D-090-100	2 x 9	100		
		TL30S-100-180	10	180	TL30D-100-090	2 x 10	90		
		TL30S-120-150	12	150	TL30D-120-075	2 x 12	75		
		TL30S-150-120	15	120	TL30D-150-060	2 x 15	60		
		TL30S-180-100	18	100	TL30D-180-050	2 x 18	50		
		TL30S-240-076	24	76	TL30D-240-038	2 x 24	38		
	115	TL30US-060-300	6	300	TL30UD-060-150	2 x 6	150	70	UL C-UL
		TL30US-072-250	7.2	250	TL30UD-072-125	2 x 7.2	125		
		TL30US-090-200	9	200	TL30UD-090-100	2 x 9	100		
		TL30US-100-180	10	180	TL30UD-100-090	2 x 10	90		
		TL30US-120-150	12	150	TL30UD-120-075	2 x 12	75		
		TL30US-150-120	15	120	TL30UD-150-060	2 x 15	60		
		TL30US-180-100	18	100	TL30UD-180-050	2 x 18	50		
		TL30US-240-076	24	76	TL30UD-240-038	2 x 24	38		
	2x115	TL30MS-060-300	6	300	TL30MD-060-150	2 x 6	150	70	UL C-UL TUV CE
		TL30MS-072-250	7.2	250	TL30MD-072-125	2 x 7.2	125		
		TL30MS-090-200	9	200	TL30MD-090-100	2 x 9	100		
		TL30MS-100-180	10	180	TL30MD-100-090	2 x 10	90		
		TL30MS-120-150	12	150	TL30MD-120-075	2 x 12	75		
		TL30MS-150-120	15	120	TL30MD-150-060	2 x 15	60		
		TL30MS-180-100	18	100	TL30MD-180-050	2 x 18	50		
		TL30MS-240-076	24	76	TL30MD-240-038	2 x 24	38		
2.1VA	230	TL30S-060-350	6	350	TL30D-060-175	2 x 6	175	70	TUV CE
		TL30S-072-292	7.2	292	TL30D-072-146	2 x 7.2	146		
		TL30S-090-234	9	234	TL30D-090-117	2 x 9	117		
		TL30S-100-210	10	210	TL30D-100-105	2 x 10	105		
		TL30S-120-176	12	176	TL30D-120-088	2 x 12	88		
		TL30S-150-140	15	140	TL30D-150-070	2 x 15	70		
		TL30S-180-118	18	118	TL30D-180-059	2 x 18	59		
		TL30S-240-088	24	88	TL30D-240-044	2 x 24	44		
	115	TL30US-060-350	6	350	TL30UD-060-175	2 x 6	175	70	UL C-UL
		TL30US-072-292	7.2	292	TL30UD-072-146	2 x 7.2	146		
		TL30US-090-234	9	234	TL30UD-090-117	2 x 9	117		
		TL30US-100-210	10	210	TL30UD-100-105	2 x 10	105		
		TL30US-120-176	12	176	TL30UD-120-088	2 x 12	88		
		TL30US-150-140	15	140	TL30UD-150-070	2 x 15	70		
		TL30US-180-118	18	118	TL30UD-180-059	2 x 18	59		
		TL30US-240-088	24	88	TL30UD-240-044	2 x 24	44		
	2x115	TL30MS-060-350	6	350	TL30MD-060-175	2 x 6	175	70	UL C-UL TUV CE
		TL30MS-072-292	7.2	292	TL30MD-072-146	2 x 7.2	146		
		TL30MS-090-234	9	234	TL30MD-090-117	2 x 9	117		
		TL30MS-100-210	10	210	TL30MD-100-105	2 x 10	105		
		TL30MS-120-176	12	176	TL30MD-120-088	2 x 12	88		
		TL30MS-150-140	15	140	TL30MD-150-070	2 x 15	70		
		TL30MS-180-118	18	118	TL30MD-180-059	2 x 18	59		
		TL30MS-240-088	24	88	TL30MD-240-044	2 x 24	44		

Product Series	Primary (V)	Single Secondary			Dual Secondary			ta (°C)	Agency Approval
		Part Number	Secondary Rating		Part Number	Secondary Rating			
			(V)	(mA)		(V)	(mA)		
2.4VA	230	TL30S-060-400	6	400	TL30D-060-200	2 x 6	200	40	TUV CE
		TL30S-072-334	7.2	334	TL30D-072-167	2 x 7.2	167		
		TL30S-090-268	9	268	TL30D-090-134	2 x 9	134		
		TL30S-100-240	10	240	TL30D-100-120	2 x 10	120		
		TL30S-120-200	12	200	TL30D-120-100	2 x 12	100		
		TL30S-150-160	15	160	TL30D-150-080	2 x 15	80		
		TL30S-180-134	18	134	TL30D-180-067	2 x 18	67		
		TL30S-240-100	24	100	TL30D-240-050	2 x 24	50		
	115	TL30US-060-400	6	400	TL30UD-060-200	2 x 6	200	40	UL C-UL
		TL30US-072-334	7.2	334	TL30UD-072-167	2 x 7.2	167		
		TL30US-090-268	9	268	TL30UD-090-134	2 x 9	134		
		TL30US-100-240	10	240	TL30UD-100-120	2 x 10	120		
		TL30US-120-200	12	200	TL30UD-120-100	2 x 12	100		
		TL30US-150-160	15	160	TL30UD-150-080	2 x 15	80		
		TL30US-180-134	18	134	TL30UD-180-067	2 x 18	67		
		TL30US-240-100	24	100	TL30UD-240-050	2 x 24	50		
	2x115	TL30MS-060-400	6	400	TL30MD-060-200	2 x 6	200	40	UL C-UL TUV CE
		TL30MS-072-334	7.2	334	TL30MD-072-167	2 x 7.2	167		
TL30MS-090-268		9	268	TL30MD-090-134	2 x 9	134			
TL30MS-100-240		10	240	TL30MD-100-120	2 x 10	120			
TL30MS-120-200		12	200	TL30MD-120-100	2 x 12	100			
TL30MS-150-160		15	160	TL30MD-150-080	2 x 15	80			
TL30MS-180-134		18	134	TL30MD-180-067	2 x 18	67			
TL30MS-240-100		24	100	TL30MD-240-050	2 x 24	50			
2.6VA	230	TL30S-060-433	6	433	TL30D-060-216	2 x 6	216	40	TUV CE
		TL30S-072-361	7.2	361	TL30D-072-180	2 x 7.2	180		
		TL30S-090-289	9	289	TL30D-090-144	2 x 9	144		
		TL30S-100-260	10	260	TL30D-100-130	2 x 10	130		
		TL30S-120-216	12	216	TL30D-120-108	2 x 12	108		
		TL30S-150-173	15	173	TL30D-150-086	2 x 15	86		
		TL30S-180-144	18	144	TL30D-180-072	2 x 18	72		
		TL30S-240-108	24	108	TL30D-240-054	2 x 24	54		
	115	TL30US-060-433	6	433	TL30UD-060-216	2 x 6	216	40	UL C-UL
		TL30US-072-361	7.2	361	TL30UD-072-180	2 x 7.2	180		
		TL30US-090-289	9	289	TL30UD-090-144	2 x 9	144		
		TL30US-100-260	10	260	TL30UD-100-130	2 x 10	130		
		TL30US-120-216	12	216	TL30UD-120-108	2 x 12	108		
		TL30US-150-173	15	173	TL30UD-150-086	2 x 15	86		
		TL30US-180-144	18	144	TL30UD-180-072	2 x 18	72		
		TL30US-240-108	24	108	TL30UD-240-054	2 x 24	54		
	2x115	TL30MS-060-433	6	433	TL30MD-060-216	2 x 6	216	40	UL C-UL TUV CE
		TL30MS-072-361	7.2	361	TL30MD-072-180	2 x 7.2	180		
TL30MS-090-289		9	289	TL30MD-090-144	2 x 9	144			
TL30MS-100-260		10	260	TL30MD-100-130	2 x 10	130			
TL30MS-120-216		12	216	TL30MD-120-108	2 x 12	108			
TL30MS-150-173		15	173	TL30MD-150-086	2 x 15	86			
TL30MS-180-144		18	144	TL30MD-180-072	2 x 18	72			
TL30MS-240-108		24	108	TL30MD-240-054	2 x 24	54			