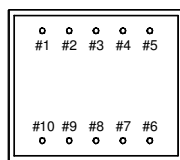
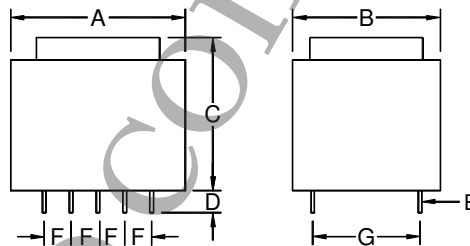


### Type EI30 / 15.5

- 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 – 4000Vrms
- Potted under vacuum
- Inherently short-circuit-proof
- Agency approvals
  - TUV / CE: EN61558 / EN60950
  - UL: UL506; UL5085-1 / -2 / -3 (Class 2)
  - C-UL: CSA C22.2 #66 / #66.1 / #66.2 / #66.3
  - CQC: GB19212.1 / GB19212.7



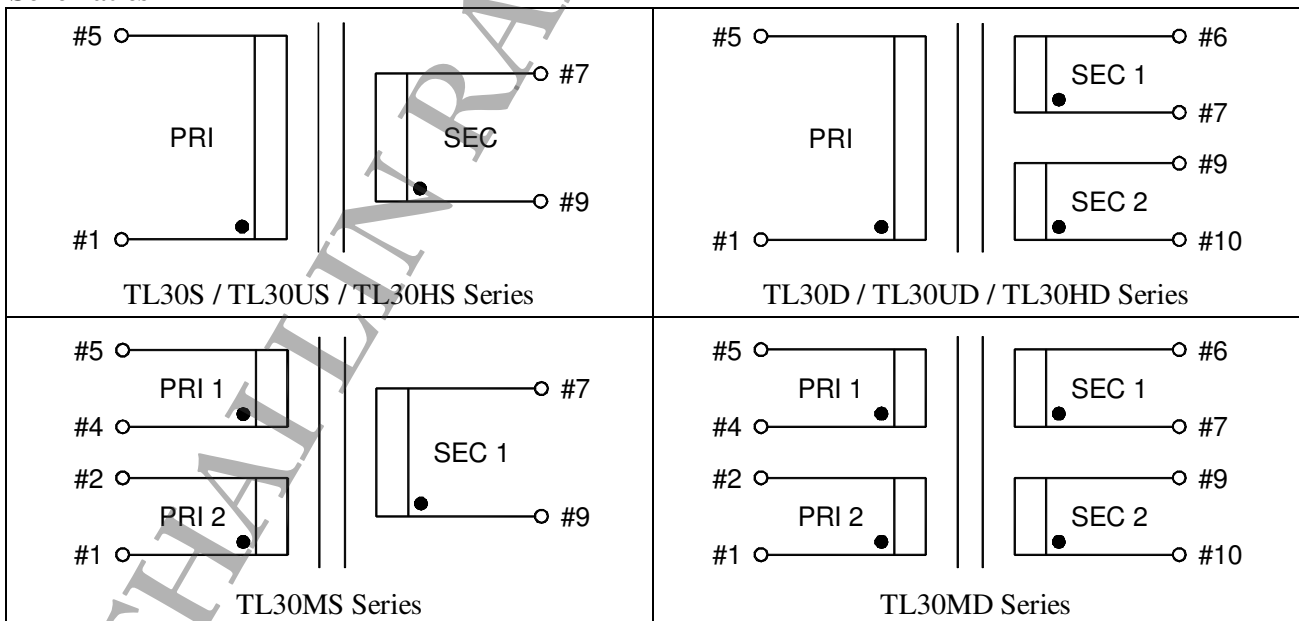
Bottom View



	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



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

## Part Number Designation

### Single input:

Type of Designation		Suffix
1)	TL30x-yyy-zzz (note 1)	CN = Product with CQC (GB19212.1 + GB19212.7) (N) = Product with TUV (EN61558 + EN60950 + CE) (NC2) = Product with TUV & UL-Class 2 (EN61558 + EN60950 + CE + UL5085-3 + CSA C22.2 #66.1 66.3)
2)	TL30Ux-yyy-zzz (note 1)	w/o suffix = Product with UL (UL506 + CSA C22.2 #66) (C2) = Product with UL-Class 2 ( UL5085-3 + CSA C22.2 #66.1 66.3)

### Dual input:

Type of Designation		Suffix
1)	TL30Mx-yyy-zzz (note 1)	w/o suffix = Product with TUV & UL (EN61558 + EN60950 + CE + UL5085-1/-2 + CSA C22.2 #66.1 66.2) CN = Product with CQC (GB19212.1 + GB19212.7) (C2) = Product with TUV & UL-Class 2 (EN61558 + EN60950 + CE + UL5085-3 + CSA C22.2 #66.1 66.3)
2)	TL30MD-yyy-zzz (note 1)	(Z) = Product with providing unused Pin #8

Note: (1) x = S: one secondary winding

= D: two secondary windings

yyy = 3 digit numbers indicate 10 times the rated output voltage (V)

zzz = 3 digit numbers indicate the rated output current (mA)

(2) In case of need, please add the appropriate suffixes in the part number when ordering.

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	* UL5085-3 C-UL TUV CE CQC
		* 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			
115	TL30S-180-100	18	100	TL30D-180-050	2 x 18	50	70	UL506 C-UL	
	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	UL506 C-UL	
	TL30US-072-250	7.2	250	TL30UD-072-125	2 x 7.2	125			
115	TL30US-090-200	9	200	TL30UD-090-100	2 x 9	100	70	* UL5085-3 C-UL	
	TL30US-100-180	10	180	TL30UD-100-090	2 x 10	90			
115 (Parallel or 230 (Series))	TL30US-120-150	12	150	TL30UD-120-075	2 x 12	75	70	* UL5085-3 C-UL TUV CE CQC	
	TL30US-150-120	15	120	TL30UD-150-060	2 x 15	60			
400	TL30US-180-100	18	100	TL30UD-180-050	2 x 18	50	70	--	
	TL30US-240-076	24	76	TL30UD-240-038	2 x 24	38			
2.1VA	230	* TL30S-060-350	6	350	* TL30D-060-175	2 x 6	175	70	* UL5085-3 C-UL TUV CE CQC
		* TL30S-072-292	7.2	292	* TL30D-072-146	2 x 7.2	146		
230	* TL30S-090-234	9	234	TL30D-090-117	2 x 9	117	70	* UL5085-3 C-UL TUV CE CQC	
	* TL30S-100-210	10	210	TL30D-100-105	2 x 10	105			
230	* TL30S-120-176	12	176	TL30D-120-088	2 x 12	88	70	* UL5085-3 C-UL TUV CE CQC	
	* TL30S-150-140	15	140	TL30D-150-070	2 x 15	70			
230	TL30S-180-118	18	118	TL30D-180-059	2 x 18	59	70	* UL5085-3 C-UL TUV CE CQC	
	TL30S-240-088	24	88	TL30D-240-044	2 x 24	44			

Note: Items marked with "\*" are approved to UL5085-3 (Class 2) & C-UL: CSA C22.2 No. 66-3-06.

Product Series	Primary (V)	Single Secondary			Dual Secondary			ta (°C)	Agency Approval
		Part Number	Secondary Rating		Part Number	Secondary Rating			
			(V)	(mA)		(V)	(mA)		
2.1VA	115	TL30US-060-350	6	350	TL30UD-060-175	2 x 6	175	70	UL506 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			
	115 (Parallel) or 230 (Series)	* TL30US-060-350 (C2)	6	350	* TL30UD-060-175 (C2)	2 x 6	175	70	* UL5085-3 C-UL
		* TL30US-072-292 (C2)	7.2	292	* TL30UD-072-146 (C2)	2 x 7.2	146		
		* TL30US-090-234 (C2)	9	234					
		* TL30US-100-210 (C2)	10	210					
* TL30US-120-176 (C2)		12	176						
* TL30US-150-140 (C2)		15	140						
400	* TL30MS-060-350	6	350	* TL30MD-060-175	2 x 6	175	70	* UL5085-3 UL5085-1/-2 C-UL TUV CE CQC	
	* 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			
	TL30HS-060-350	6	350	TL30HD-060-175	2 x 6	175			
	TL30HS-072-292	7.2	292	TL30HD-072-146	2 x 7.2	146			
	TL30HS-090-234	9	234	TL30HD-090-117	2 x 9	117			
	TL30HS-100-210	10	210	TL30HD-100-105	2 x 10	105			
TL30HS-120-176	12	176	TL30HD-120-088	2 x 12	88				
TL30HS-150-140	15	140	TL30HD-150-070	2 x 15	70				
TL30HS-180-118	18	118	TL30HD-180-059	2 x 18	59				
TL30HS-240-088	24	88	TL30HD-240-044	2 x 24	44				
2.4VA	230	TL30S-060-400	6	400	TL30D-060-200	2 x 6	200	40	TUV CE CQC
		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		
	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		

Note: Items marked with "\*" are approved to UL5085-3 (Class 2) & C-UL: CSA C22.2 No. 66-3-06.

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	115 (Parallel) or 230 (Series)	TL30MS-060-400	6	400	TL30MD-060-200	2 x 6	200	40	UL5085-1/-2 C-UL TUV CE CQC		
		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					
	400	TL30HS-060-400	6	400	TL30HD-060-200	2 x 6	200			40	--
		TL30HS-072-334	7.2	334	TL30HD-072-167	2 x 7.2	167				
		TL30HS-090-268	9	268	TL30HD-090-134	2 x 9	134				
		TL30HS-100-240	10	240	TL30HD-100-120	2 x 10	120				
		TL30HS-120-200	12	200	TL30HD-120-100	2 x 12	100				
		TL30HS-150-160	15	160	TL30HD-150-080	2 x 15	80				
TL30HS-180-134		18	134	TL30HD-180-067	2 x 18	67					
TL30HS-240-100	24	100	TL30HD-240-050	2 x 24	50						
2.6VA	230	TL30S-060-433	6	433	TL30D-060-216	2 x 6	216	40	TUV CE CQC		
		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	UL5085-1/-2 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				
	115 (Parallel) or 230 (Series)	TL30MS-060-433	6	433	TL30MD-060-216	2 x 6	216	40	UL5085-1/-2 C-UL TUV CE CQC		
		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					
400	TL30HS-060-433	6	433	TL30HD-060-216	2 x 6	216	40	--			
	TL30HS-072-361	7.2	361	TL30HD-072-180	2 x 7.2	180					
	TL30HS-090-289	9	289	TL30HD-090-144	2 x 9	144					
	TL30HS-100-260	10	260	TL30HD-100-130	2 x 10	130					
	TL30HS-120-216	12	216	TL30HD-120-108	2 x 12	108					
	TL30HS-150-173	15	173	TL30HD-150-086	2 x 15	86					
	TL30HS-180-144	18	144	TL30HD-180-072	2 x 18	72					
	TL30HS-240-108	24	108	TL30HD-240-054	2 x 24	54					

Note: Items marked with "\*" are approved to UL5085-3 (Class 2) & C-UL: CSA C22.2 No. 66-3-06.