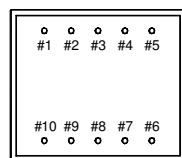


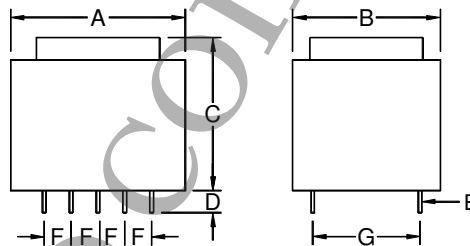


### Type EI30 / 18.0

- Power – 2.3/2.7/2.8VA
- 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;
  - C-UL: CSA C22.2 #66 / #66.1 / #66.2
  - CQC: GB19212.1 / GB19212.7



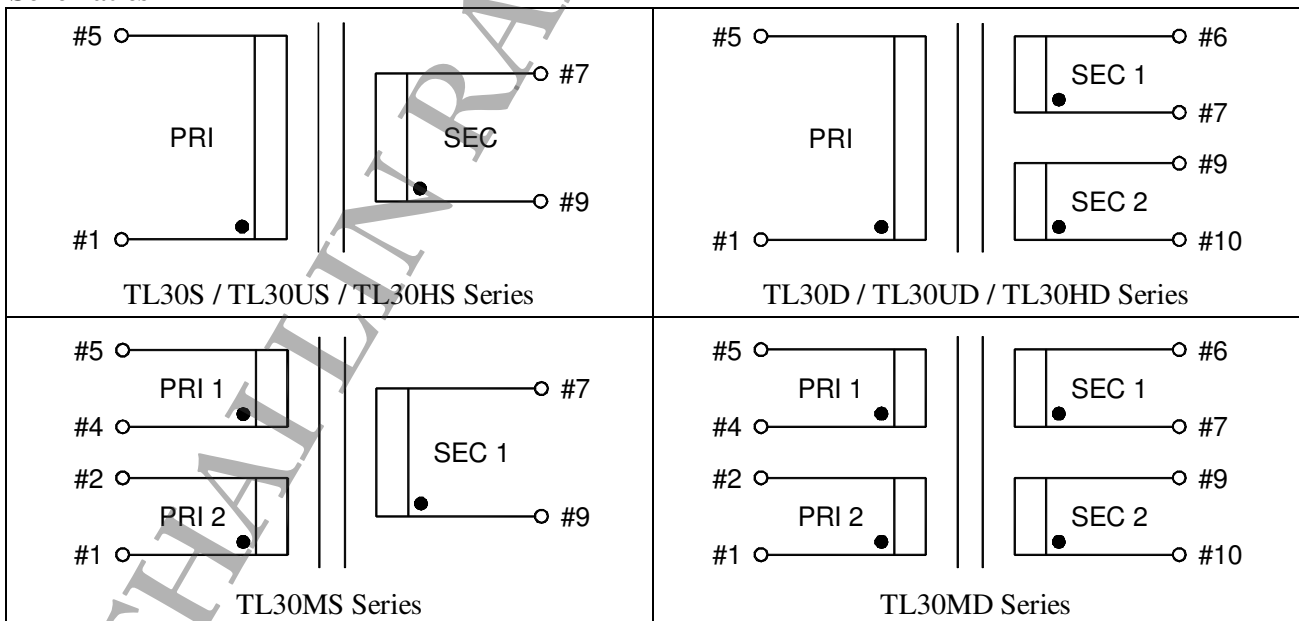
Bottom View



	A	B	C	D	E	F	G	Weight (g)
<b>Dimension (mm)</b>	32.6	27.6	29.8	4.0	SQ0.64	5.0	20.0	110
<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)	w/o suffix = Product with TUV (EN61558 + EN60950 + CE)
		CN = Product with CQC (GB19212.1 + GB19212.7)
2)	TL30Ux-yyy-zzz (note 1)	w/o suffix = Product with UL (UL506 + CSA C22.2 #66)

### 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)
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.

# THAI LIN RADIO

since 1975

STANDARD  
ENCAPSULATED  
TRANSFORMER  
TYPE EI30 / 18.0

Product Series	Primary (V)	Single Secondary			Dual Secondary			ta (°C)	Agency Approval
		Part Number	Secondary Rating		Part Number	Secondary Rating			
			(V)	(mA)		(V)	(mA)		
2.3VA	230	TL30S-060-383	6	383	TL30D-060-191	2 x 6	191	70	TUV CE CQC
		TL30S-072-319	7.2	319	TL30D-072-160	2 x 7.2	160		
		TL30S-090-255	9	255	TL30D-090-128	2 x 9	128		
		TL30S-100-230	10	230	TL30D-100-115	2 x 10	115		
		TL30S-120-192	12	192	TL30D-120-096	2 x 12	96		
		TL30S-150-153	15	153	TL30D-150-076	2 x 15	76		
	115	TL30US-060-383	6	383	TL30UD-060-191	2 x 6	191	70	UL506 C-UL
		TL30US-072-319	7.2	319	TL30UD-072-159	2 x 7.2	159		
		TL30US-090-255	9	255	TL30UD-090-127	2 x 9	127		
		TL30US-100-230	10	230	TL30UD-100-115	2 x 10	115		
		TL30US-120-191	12	191	TL30UD-120-095	2 x 12	95		
		TL30US-150-153	15	153	TL30UD-150-076	2 x 15	76		
115 (Parallel) or 230 (Series)	TL30MS-060-383	6	383	TL30MD-060-191	2 x 6	191	70	UL5085-1/-2 C-UL TUV CE CQC	
	TL30MS-072-319	7.2	319	TL30MD-072-160	2 x 7.2	160			
	TL30MS-090-255	9	255	TL30MD-090-128	2 x 9	128			
	TL30MS-100-230	10	230	TL30MD-100-115	2 x 10	115			
	TL30MS-120-192	12	192	TL30MD-120-096	2 x 12	96			
	TL30MS-150-153	15	153	TL30MD-150-076	2 x 15	76			
400	TL30HS-060-383	6	383	TL30HD-060-191	2 x 6	191	70	--	
	TL30HS-072-319	7.2	319	TL30HD-072-160	2 x 7.2	160			
	TL30HS-090-255	9	255	TL30HD-090-128	2 x 9	128			
	TL30HS-100-230	10	230	TL30HD-100-115	2 x 10	115			
	TL30HS-120-192	12	192	TL30HD-120-096	2 x 12	96			
	TL30HS-150-153	15	153	TL30HD-150-076	2 x 15	76			
2.7VA	230	TL30S-060-450	6	450	TL30D-060-225	2 x 6	225	40	TUV CE CQC
		TL30S-072-375	7.2	375	TL30D-072-187	2 x 7.2	187		
		TL30S-090-300	9	300	TL30D-090-150	2 x 9	150		
		TL30S-100-270	10	270	TL30D-100-135	2 x 10	135		
		TL30S-120-225	12	225	TL30D-120-112	2 x 12	112		
		TL30S-150-180	15	180	TL30D-150-090	2 x 15	90		
	115	TL30US-060-450	6	450	TL30UD-060-225	2 x 6	225	40	UL506 C-UL
		TL30US-072-375	7.2	375	TL30UD-072-187	2 x 7.2	187		
		TL30US-090-300	9	300	TL30UD-090-150	2 x 9	150		
		TL30US-100-270	10	270	TL30UD-100-135	2 x 10	135		
		TL30US-120-225	12	225	TL30UD-120-112	2 x 12	112		
		TL30US-150-180	15	180	TL30UD-150-090	2 x 15	90		

# THAI LIN RADIO

since 1975

STANDARD  
ENCAPSULATED  
TRANSFORMER  
TYPE EI30 / 18.0

Product Series	Primary (V)	Single Secondary			Dual Secondary			ta (°C)	Agency Approval	
		Part Number	Secondary Rating		Part Number	Secondary Rating				
			(V)	(mA)		(V)	(mA)			
2.7VA	115 (Parallel) or 230 (Series)	TL30MS-060-450	6	450	TL30MD-060-225	2 x 6	225	40	UL5085-1/-2 C-UL TUV CE CQC	
		TL30MS-072-375	7.2	375	TL30MD-072-187	2 x 7.2	187			
TL30MS-090-300		9	300	TL30MD-090-150	2 x 9	150				
TL30MS-100-270		10	270	TL30MD-100-135	2 x 10	135				
TL30MS-120-225		12	225	TL30MD-120-112	2 x 12	112				
TL30MS-150-180		15	180	TL30MD-150-090	2 x 15	90				
TL30MS-180-150		18	150	TL30MD-180-075	2 x 18	75				
TL30MS-240-112		24	112	TL30MD-240-056	2 x 24	56				
400	400	TL30HS-060-450	6	450	TL30HD-060-225	2 x 6	225	40	--	
		TL30HS-072-375	7.2	375	TL30HD-072-187	2 x 7.2	187			
TL30HS-090-300		9	300	TL30HD-090-150	2 x 9	150				
TL30HS-100-270		10	270	TL30HD-100-135	2 x 10	135				
TL30HS-120-225		12	225	TL30HD-120-112	2 x 12	112				
TL30HS-150-180		15	180	TL30HD-150-090	2 x 15	90				
TL30HS-180-150		18	150	TL30HD-180-075	2 x 18	75				
TL30HS-240-112		24	112	TL30HD-240-056	2 x 24	56				
2.8VA	230	TL30S-060-466	6	466	TL30D-060-233	2 x 6	233	40	TUV CE CQC	
		TL30S-072-388	7.2	388	TL30D-072-194	2 x 7.2	194			
		TL30S-090-311	9	311	TL30D-090-155	2 x 9	155			
		TL30S-100-280	10	280	TL30D-100-140	2 x 10	140			
		TL30S-120-233	12	233	TL30D-120-116	2 x 12	116			
		TL30S-150-186	15	186	TL30D-150-093	2 x 15	93			
		TL30S-180-155	18	155	TL30D-180-077	2 x 18	77			
		TL30S-240-116	24	116	TL30D-240-058	2 x 24	58			
	115	115	TL30US-060-466	6	466	TL30UD-060-233	2 x 6	233	40	UL506 C-UL
			TL30US-072-388	7.2	388	TL30UD-072-194	2 x 7.2	194		
			TL30US-090-311	9	311	TL30UD-090-155	2 x 9	155		
			TL30US-100-280	10	280	TL30UD-100-140	2 x 10	140		
			TL30US-120-233	12	233	TL30UD-120-116	2 x 12	116		
			TL30US-150-186	15	186	TL30UD-150-093	2 x 15	93		
			TL30US-180-155	18	155	TL30UD-180-077	2 x 18	77		
			TL30US-240-116	24	116	TL30UD-240-058	2 x 24	58		
115 (Parallel) or 230 (Series)	115 (Parallel) or 230 (Series)	TL30MS-060-466	6	466	TL30MD-060-233	2 x 6	233	40	UL5085-1/-2 C-UL TUV CE CQC	
		TL30MS-072-388	7.2	388	TL30MD-072-194	2 x 7.2	194			
		TL30MS-090-311	9	311	TL30MD-090-155	2 x 9	155			
		TL30MS-100-280	10	280	TL30MD-100-140	2 x 10	140			
		TL30MS-120-233	12	233	TL30MD-120-116	2 x 12	116			
		TL30MS-150-186	15	186	TL30MD-150-093	2 x 15	93			
		TL30MS-180-155	18	155	TL30MD-180-077	2 x 18	77			
		TL30MS-240-116	24	116	TL30MD-240-058	2 x 24	58			
400	400	TL30HS-060-466	6	466	TL30HD-060-233	2 x 6	233	40	--	
		TL30HS-072-388	7.2	388	TL30HD-072-194	2 x 7.2	194			
		TL30HS-090-311	9	311	TL30HD-090-155	2 x 9	155			
		TL30HS-100-280	10	280	TL30HD-100-140	2 x 10	140			
		TL30HS-120-233	12	233	TL30HD-120-116	2 x 12	116			
		TL30HS-150-186	15	186	TL30HD-150-093	2 x 15	93			
		TL30HS-180-155	18	155	TL30HD-180-077	2 x 18	77			
		TL30HS-240-116	24	116	TL30HD-240-058	2 x 24	58			