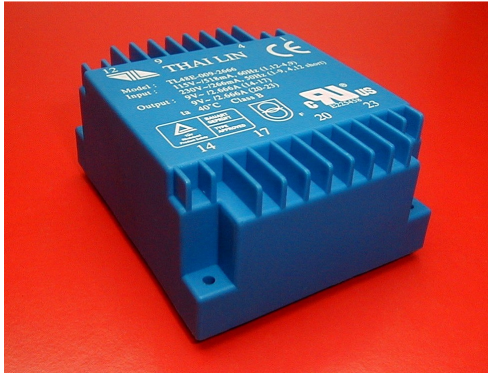
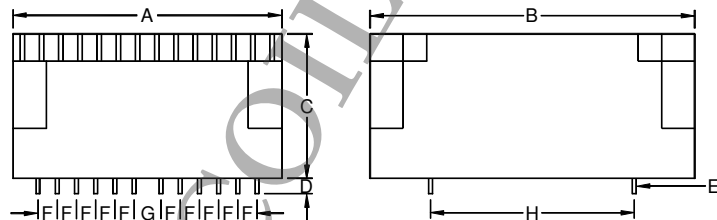
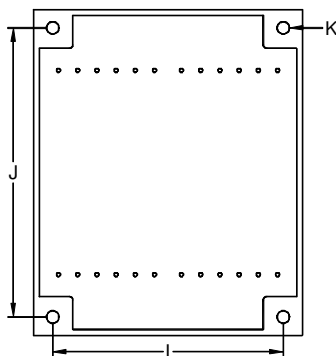




Type UI48

- Power – 35VA to 70VA
- Temperature class – Class B (130°C)
- Ambient temperature – 40°C
- Dielectric strength – 4000Vrms
- Potted under vacuum
- Agency approvals
 - TUV / CE: EN61558 / EN60950
 - UL: UL506
 - C-UL: CSA C22.2 #66



Product Series	Dimension (mm)											Weight (g)
	A	B	C	D	E	F	G	H	I	J	K	
35/40/42/48VA	70.0	84.5	37.5	4.0	φ1.0	5.0	7.0	53.0	60.0	75.0	φ3.2	760
52/56/60/70VA	70.0	84.5	47.5	4.0	φ1.0	5.0	7.0	53.0	60.0	75.0	φ3.2	1000
Tolerance	±1.0	±1.0	±1.0	±1.0	±0.1	±0.2	±0.2	±0.5	±0.5	±0.5	±0.2	approx.

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

Schematics

TL48E SERIES		TL48U SERIES	
Bottom View		Bottom View	
Input	115V 60Hz (Pin 1 – Pin 9) (Pins 1, 12 short; Pins 4, 9 short); OR 230V 50Hz (Pin 1 – Pin 9) (Pins 4, 12 short)	Input	115V 60Hz (Pin 1 – Pin 4) (Pins 1, 3 short; Pins 2, 4 short); OR 230V 50Hz (Pin 1 – Pin 4) (Pins 2, 3 short)
Output	In Series (Pin 14 – Pin 20) (Pins 17, 23 short); OR In Parallel (Pin 14 – Pin 20) (Pins 14, 23 short; Pins 17, 20 short)	Output	In Series (Pin 5 – Pin 8) (Pins 6, 7 short); OR In Parallel (Pin 5 – Pin 8) (Pins 5, 7 short; Pins 6, 8 short)

THAI LIN RADIO

since 1975

LOW PROFILE
ENCAPSULATED
TRANSFORMER
TYPE UI48

Product Series	Primary (V)	Part Number		Secondary Rating		Agency Approval
		TYPE I	TYPE II	(V)	(mA)	
35VA	2 x 115	TL48E-005-3500	TL48U-005-3500	2 x 5	3500	UL506 C-UL TUV CE
		TL48E-006-2916	TL48U-006-2916	2 x 6	2916	
		TL48E-008-2187	TL48U-008-2187	2 x 8	2187	
		TL48E-009-1944	TL48U-009-1944	2 x 9	1944	
		TL48E-010-1750	TL48U-010-1750	2 x 10	1750	
		TL48E-012-1458	TL48U-012-1458	2 x 12	1458	
		TL48E-015-1166	TL48U-015-1166	2 x 15	1166	
		TL48E-017-1029	TL48U-017-1029	2 x 17	1029	
		TL48E-018-0972	TL48U-018-0972	2 x 18	972	
		TL48E-020-0875	TL48U-020-0875	2 x 20	875	
		TL48E-021-0833	TL48U-021-0833	2 x 21	833	
		TL48E-024-0729	TL48U-024-0729	2 x 24	729	
		TL48E-028-0625	TL48U-028-0625	2 x 28	625	
40VA	2 x 115	TL48E-005-4000	TL48U-005-4000	2 x 5	4000	UL506 C-UL TUV CE
		TL48E-006-3333	TL48U-006-3333	2 x 6	3333	
		TL48E-008-2500	TL48U-008-2500	2 x 8	2500	
		TL48E-009-2222	TL48U-009-2222	2 x 9	2222	
		TL48E-010-2000	TL48U-010-2000	2 x 10	2000	
		TL48E-012-1666	TL48U-012-1666	2 x 12	1666	
		TL48E-015-1333	TL48U-015-1333	2 x 15	1333	
		TL48E-017-1176	TL48U-017-1176	2 x 17	1176	
		TL48E-018-1111	TL48U-018-1111	2 x 18	1111	
		TL48E-020-1000	TL48U-020-1000	2 x 20	1000	
		TL48E-021-0952	TL48U-021-0952	2 x 21	952	
		TL48E-024-0833	TL48U-024-0833	2 x 24	833	
		TL48E-028-0714	TL48U-028-0714	2 x 28	714	
42VA	2 x 115	TL48E-005-4200	TL48U-005-4200	2 x 5	4200	UL506 C-UL TUV CE
		TL48E-006-3500	TL48U-006-3500	2 x 6	3500	
		TL48E-008-2625	TL48U-008-2625	2 x 8	2625	
		TL48E-009-2333	TL48U-009-2333	2 x 9	2333	
		TL48E-010-2100	TL48U-010-2100	2 x 10	2100	
		TL48E-012-1750	TL48U-012-1750	2 x 12	1750	
		TL48E-015-1400	TL48U-015-1400	2 x 15	1400	
		TL48E-017-1235	TL48U-017-1235	2 x 17	1235	
		TL48E-018-1166	TL48U-018-1166	2 x 18	1166	
		TL48E-020-1050	TL48U-020-1050	2 x 20	1050	
		TL48E-021-1000	TL48U-021-1000	2 x 21	1000	
		TL48E-024-0875	TL48U-024-0875	2 x 24	875	
		TL48E-028-0750	TL48U-028-0750	2 x 28	750	
48VA	2 x 115	TL48E-005-4800	TL48U-005-4800	2 x 5	4800	UL506 C-UL TUV CE
		TL48E-006-4000	TL48U-006-4000	2 x 6	4000	
		TL48E-008-3000	TL48U-008-3000	2 x 8	3000	
		TL48E-009-2666	TL48U-009-2666	2 x 9	2666	
		TL48E-010-2400	TL48U-010-2400	2 x 10	2400	
		TL48E-012-2000	TL48U-012-2000	2 x 12	2000	
		TL48E-015-1600	TL48U-015-1600	2 x 15	1600	
		TL48E-017-1412	TL48U-017-1412	2 x 17	1412	
		TL48E-018-1333	TL48U-018-1333	2 x 18	1333	
		TL48E-020-1200	TL48U-020-1200	2 x 20	1200	
		TL48E-021-1143	TL48U-021-1143	2 x 21	1143	
		TL48E-024-1000	TL48U-024-1000	2 x 24	1000	
		TL48E-028-0857	TL48U-028-0857	2 x 28	857	

Note: The 35VA, 40VA, 42VA & 48VA series are fail-safe transformers.

THAI LIN RADIO

since 1975

LOW PROFILE
ENCAPSULATED
TRANSFORMER
TYPE UI48

Product Series	Primary (V)	Part Number		Secondary Rating		Agency Approval
		TYPE I	TYPE II	(V)	(mA)	
52VA	2 x 115	TL48E-005-5200	TL48U-005-5200	2 x 5	5200	UL506 C-UL TUV CE
		TL48E-006-4333	TL48U-006-4333	2 x 6	4333	
		TL48E-008-3250	TL48U-008-3250	2 x 8	3250	
		TL48E-009-2888	TL48U-009-2888	2 x 9	2888	
		TL48E-010-2600	TL48U-010-2600	2 x 10	2600	
		TL48E-012-2166	TL48U-012-2166	2 x 12	2166	
		TL48E-015-1733	TL48U-015-1733	2 x 15	1733	
		TL48E-017-1529	TL48U-017-1529	2 x 17	1529	
		TL48E-018-1444	TL48U-018-1444	2 x 18	1444	
		TL48E-020-1300	TL48U-020-1300	2 x 20	1300	
		TL48E-021-1238	TL48U-021-1238	2 x 21	1238	
		TL48E-024-1083	TL48U-024-1083	2 x 24	1083	
		TL48E-028-0928	TL48U-028-0928	2 x 28	928	
56VA	2 x 115	TL48E-005-5600	TL48U-005-5600	2 x 5	5600	UL506 C-UL TUV CE
		TL48E-006-4666	TL48U-006-4666	2 x 6	4666	
		TL48E-008-3500	TL48U-008-3500	2 x 8	3500	
		TL48E-009-3111	TL48U-009-3111	2 x 9	3111	
		TL48E-010-2800	TL48U-010-2800	2 x 10	2800	
		TL48E-012-2333	TL48U-012-2333	2 x 12	2333	
		TL48E-015-1866	TL48U-015-1866	2 x 15	1866	
		TL48E-017-1647	TL48U-017-1647	2 x 17	1647	
		TL48E-018-1555	TL48U-018-1555	2 x 18	1555	
		TL48E-020-1400	TL48U-020-1400	2 x 20	1400	
		TL48E-021-1333	TL48U-021-1333	2 x 21	1333	
		TL48E-024-1166	TL48U-024-1166	2 x 24	1166	
		TL48E-028-1000	TL48U-028-1000	2 x 28	1000	
60VA	2 x 115	TL48E-005-6000	TL48U-005-6000	2 x 5	6000	UL506 C-UL TUV CE
		TL48E-006-5000	TL48U-006-5000	2 x 6	5000	
		TL48E-008-3750	TL48U-008-3750	2 x 8	3750	
		TL48E-009-3333	TL48U-009-3333	2 x 9	3333	
		TL48E-010-3000	TL48U-010-3000	2 x 10	3000	
		TL48E-012-2500	TL48U-012-2500	2 x 12	2500	
		TL48E-015-2000	TL48U-015-2000	2 x 15	2000	
		TL48E-017-1764	TL48U-017-1764	2 x 17	1764	
		TL48E-018-1666	TL48U-018-1666	2 x 18	1666	
		TL48E-020-1500	TL48U-020-1500	2 x 20	1500	
		TL48E-021-1428	TL48U-021-1428	2 x 21	1428	
		TL48E-024-1250	TL48U-024-1250	2 x 24	1250	
		TL48E-028-1071	TL48U-028-1071	2 x 28	1071	
70VA	2 x 115	TL48E-005-7000	TL48U-005-7000	2 x 5	7000	UL506 C-UL
		TL48E-006-5833	TL48U-006-5833	2 x 6	5833	
		TL48E-008-4375	TL48U-008-4375	2 x 8	4375	
		TL48E-009-3888	TL48U-009-3888	2 x 9	3888	
		TL48E-010-3500	TL48U-010-3500	2 x 10	3500	
		TL48E-012-2916	TL48U-012-2916	2 x 12	2916	
		TL48E-015-2333	TL48U-015-2333	2 x 15	2333	
		TL48E-017-2058	TL48U-017-2058	2 x 17	2058	
		TL48E-018-1944	TL48U-018-1944	2 x 18	1944	
		TL48E-020-1750	TL48U-020-1750	2 x 20	1750	
		TL48E-021-1666	TL48U-021-1666	2 x 21	1666	
		TL48E-024-1458	TL48U-024-1458	2 x 24	1458	
		TL48E-028-1250	TL48U-028-1250	2 x 28	1250	

Note: The 52VA, 56VA & 60VA series are non-short-circuit proof transformers.