

THAI LIN RADIO

since 1975

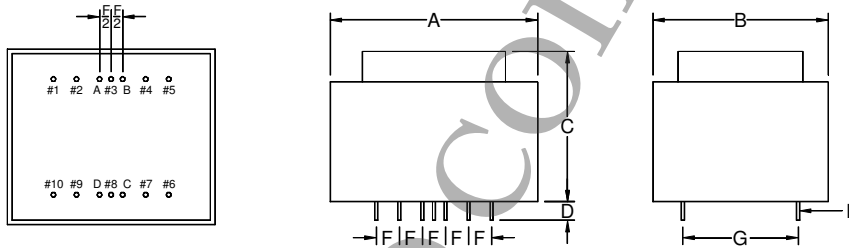
Трансформаторы
герметизированные EI42x14.8
5.0-6.0VA STANDARD
ENCAPSULATED TRANSFORMER
TYPE EI42 / 14.8



Type EI42 / 14.8

- Power – 5.0/6.0VA
- Frequency – 50/60 Hz
- Temperature class – Class B (130°C)
- Ambient temperature (ta) – 70°C
- Dielectric strength – 4000Vrms
- Potted under vacuum
- 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

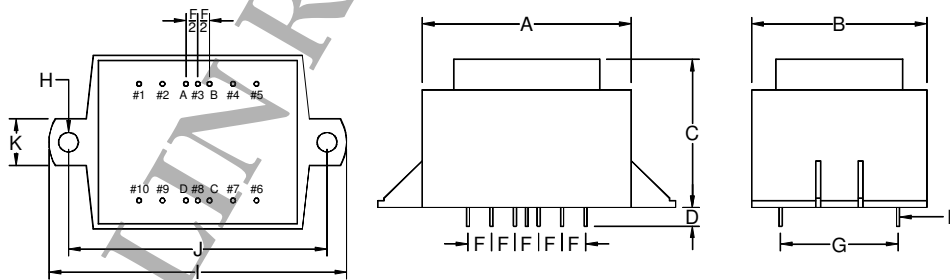
Potting Shell – Type A



| | A | B | C | D | E | F | G | Weight (g) |
|-----------------------|------|------|------|------|--------|------|------|------------|
| Dimension (mm) | 44.0 | 37.0 | 31.5 | 4.0 | SQ0.64 | 5.0 | 25.0 | 190 |
| Tolerance (mm) | ±1.0 | ±1.0 | ±1.0 | ±1.0 | ±0.1 | ±0.2 | ±0.5 | approx. |

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

Potting Shell – Type B



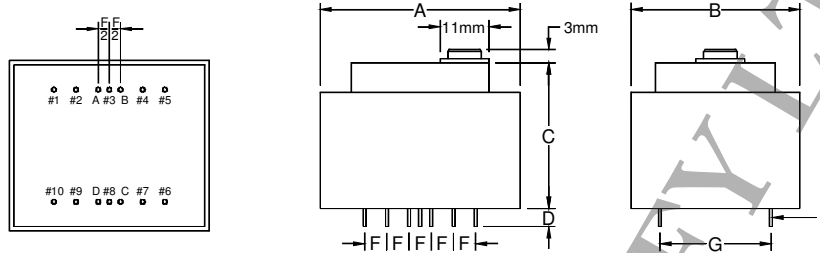
| | A | B | C | D | E | F | G | H | I | J | K | Weight (g) |
|-----------------------|------|------|------|------|--------|------|------|------|------|------|------|------------|
| Dimension (mm) | 44.0 | 37.0 | 31.5 | 4.0 | SQ0.64 | 5.0 | 25.0 | φ4.2 | 64.0 | 55.0 | 10.0 | 190 |
| Tolerance (mm) | ±1.0 | ±1.0 | ±1.0 | ±1.0 | ±0.1 | ±0.2 | ±0.5 | ±0.2 | max | ±0.5 | ±0.5 | approx. |

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

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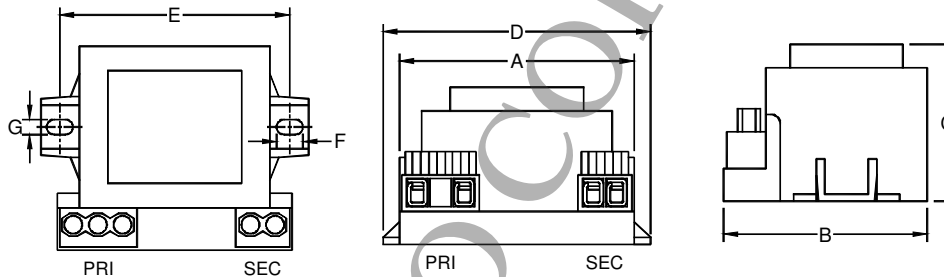
Potting Shell – Type C



| | A | B | C | D | E | F | G | Weight (g) |
|-----------------------|------|------|------|------|--------|------|------|------------|
| Dimension (mm) | 44.0 | 37.0 | 32.5 | 4.0 | SQ0.64 | 5.0 | 25.0 | 190 |
| Tolerance (mm) | ±1.0 | ±1.0 | ±1.0 | ±1.0 | ±0.1 | ±0.2 | ±0.5 | approx. |

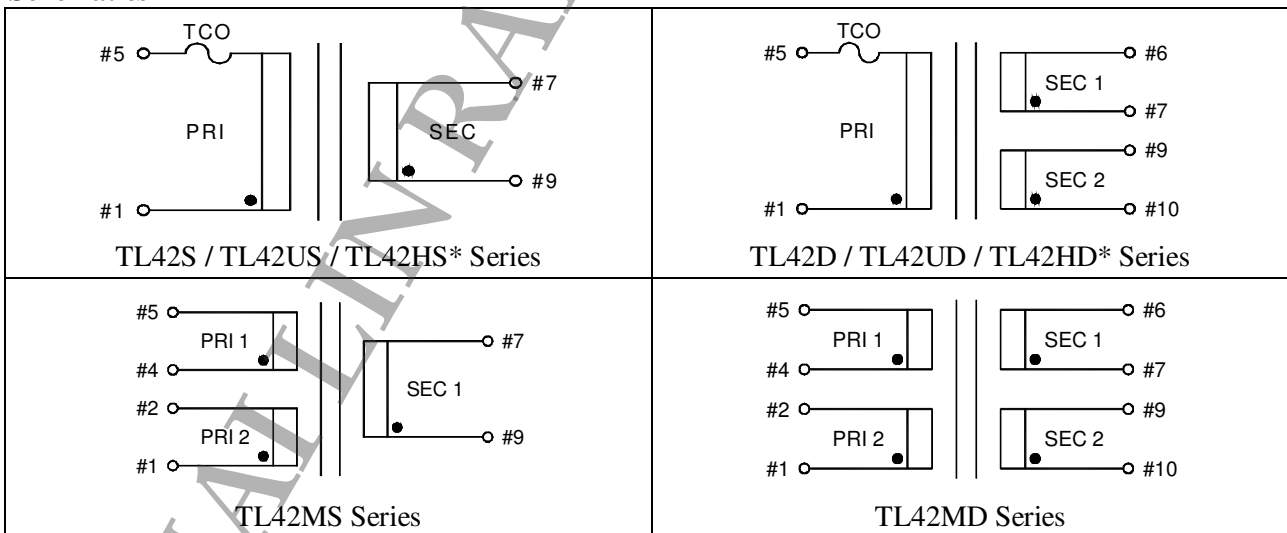
Note: Unused pins are omitted for standard parts. Unused pins can be provided upon request.

Style – Terminal Block



| | A | B | C | D | E | F | G | Weight (g) |
|-----------------------|------|------|------|------|------|------|------|------------|
| Dimension (mm) | 50.0 | 46.1 | 36.7 | 62.0 | 53.0 | 6.0 | 4.2 | 200 |
| Tolerance (mm) | ±1.0 | ±1.0 | ±1.0 | ±1.0 | ±0.5 | ±0.5 | ±0.2 | approx. |

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) |

* The TCO is omitted for the TL42HS & TL42HD series.

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Part Number Designation

Four designations are available. Use TL42S-060-833 as example:

- 1) TL42S-060-833 = Potting Shell A
- 2) TL42S-060-833 (SB) = Potting Shell B
- 3) TL42S-060-833 (SC) = Potting Shell C
- 4) TL42S-060-833TB = Terminal Block Style

Note:

- a) Terminal block style is only available for the single primary + single secondary items.
- b) Terminal block style is only available for “TUV / CE” approved items.
- c) 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) | | |
| 5.0VA | 230 | TL42S-060-833 | 6 | 833 | TL42D-060-416 | 2 x 6 | 416 | 70 | * UL5085-3 TUV CE |
| | | TL42S-072-694 | 7.2 | 694 | TL42D-072-347 | 2 x 7.2 | 347 | | |
| | | * TL42S-090-555 | 9 | 555 | TL42D-090-277 | 2 x 9 | 277 | | |
| | | TL42S-100-500 | 10 | 500 | TL42D-100-250 | 2 x 10 | 250 | | |
| | | TL42S-120-416 | 12 | 416 | TL42D-120-208 | 2 x 12 | 208 | | |
| | | TL42S-150-333 | 15 | 333 | TL42D-150-166 | 2 x 15 | 166 | | |
| | | TL42S-180-277 | 18 | 277 | TL42D-180-138 | 2 x 18 | 138 | | |
| | | TL42S-240-208 | 24 | 208 | TL42D-240-104 | 2 x 24 | 104 | | |
| | 115 | TL42US-060-833 | 6 | 833 | TL42UD-060-416 | 2 x 6 | 416 | 70 | * UL5085-3 UL506 C-UL |
| | | TL42US-072-694 | 7.2 | 694 | TL42UD-072-347 | 2 x 7.2 | 347 | | |
| | | * TL42US-090-555 | 9 | 555 | TL42UD-090-277 | 2 x 9 | 277 | | |
| | | TL42US-100-500 | 10 | 500 | TL42UD-100-250 | 2 x 10 | 250 | | |
| | | TL42US-120-416 | 12 | 416 | TL42UD-120-208 | 2 x 12 | 208 | | |
| | | TL42US-150-333 | 15 | 333 | TL42UD-150-166 | 2 x 15 | 166 | | |
| | | TL42US-180-277 | 18 | 277 | TL42UD-180-138 | 2 x 18 | 138 | | |
| | | TL42US-240-208 | 24 | 208 | TL42UD-240-104 | 2 x 24 | 104 | | |
| | 115 (Parallel) or 230 (Series) | TL42MS-060-833 | 6 | 833 | TL42MD-060-416 | 2 x 6 | 416 | 70 | UL5085-1/-2 C-UL TUV CE |
| | | TL42MS-072-694 | 7.2 | 694 | TL42MD-072-347 | 2 x 7.2 | 347 | | |
| | | TL42MS-090-555 | 9 | 555 | TL42MD-090-277 | 2 x 9 | 277 | | |
| | | TL42MS-100-500 | 10 | 500 | TL42MD-100-250 | 2 x 10 | 250 | | |
| TL42MS-120-416 | | 12 | 416 | TL42MD-120-208 | 2 x 12 | 208 | | | |
| TL42MS-150-333 | | 15 | 333 | TL42MD-150-166 | 2 x 15 | 166 | | | |
| TL42MS-180-277 | | 18 | 277 | TL42MD-180-138 | 2 x 18 | 138 | | | |
| TL42MS-240-208 | | 24 | 208 | TL42MD-240-104 | 2 x 24 | 104 | | | |
| 400 | TL42HS-060-833 | 6 | 833 | TL42HD-060-416 | 2 x 6 | 416 | 70 | -- | |
| | TL42HS-072-694 | 7.2 | 694 | TL42HD-072-347 | 2 x 7.2 | 347 | | | |
| | TL42HS-090-555 | 9 | 555 | TL42HD-090-277 | 2 x 9 | 277 | | | |
| | TL42HS-100-500 | 10 | 500 | TL42HD-100-250 | 2 x 10 | 250 | | | |
| | TL42HS-120-416 | 12 | 416 | TL42HD-120-208 | 2 x 12 | 208 | | | |
| | TL42HS-150-333 | 15 | 333 | TL42HD-150-166 | 2 x 15 | 166 | | | |
| | TL42HS-180-277 | 18 | 277 | TL42HD-180-138 | 2 x 18 | 138 | | | |
| | TL42HS-240-208 | 24 | 208 | TL42HD-240-104 | 2 x 24 | 104 | | | |

- Note:
- 1) TL42S & TL42D series are fail-safe transformers.
 - 2) TL42MS, TL42MD, TL42HS & TL42HD series are non-short-circuit proof transformers.
 - 3) Items marked with “*” are approved to UL5085-3 (Class 2) & C-UL: CSA C22.2 No. 66-3-06.



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TYPE EI42 / 14,8

| Product Series | Primary (V) | Single Secondary | | | Dual Secondary | | | ta (°C) | Agency Approval |
|--------------------------------|-----------------|------------------|------------------|-----------------|-----------------|------------------|------|-------------------------|------------------|
| | | Part Number | Secondary Rating | | Part Number | Secondary Rating | | | |
| | | | (V) | (mA) | | (V) | (mA) | | |
| 6.0VA | 230 | TL42S-060-1000 | 6 | 1000 | TL42D-060-0500 | 2 x 6 | 500 | 70 | TUV CE |
| | | TL42S-072-0833 | 7.2 | 833 | TL42D-072-0416 | 2 x 7.2 | 416 | | |
| | | TL42S-090-0666 | 9 | 666 | TL42D-090-0333 | 2 x 9 | 333 | | |
| | | TL42S-100-0600 | 10 | 600 | TL42D-100-0300 | 2 x 10 | 300 | | |
| | | TL42S-120-0500 | 12 | 500 | TL42D-120-0250 | 2 x 12 | 250 | | |
| | | TL42S-150-0400 | 15 | 400 | TL42D-150-0200 | 2 x 15 | 200 | | |
| | | TL42S-180-0333 | 18 | 333 | TL42D-180-0166 | 2 x 18 | 166 | | |
| | | TL42S-240-0250 | 24 | 250 | TL42D-240-0125 | 2 x 24 | 125 | | |
| | 115 | TL42US-060-1000 | 6 | 1000 | TL42UD-060-0500 | 2 x 6 | 500 | 70 | UL5085-1/-2 C-UL |
| | | TL42US-072-0833 | 7.2 | 833 | TL42UD-072-0416 | 2 x 7.2 | 416 | | |
| | | TL42US-090-0666 | 9 | 666 | TL42UD-090-0333 | 2 x 9 | 333 | | |
| | | TL42US-100-0600 | 10 | 600 | TL42UD-100-0300 | 2 x 10 | 300 | | |
| | | TL42US-120-0500 | 12 | 500 | TL42UD-120-0250 | 2 x 12 | 250 | | |
| | | TL42US-150-0400 | 15 | 400 | TL42UD-150-0200 | 2 x 15 | 200 | | |
| | | TL42US-180-0333 | 18 | 333 | TL42UD-180-0166 | 2 x 18 | 166 | | |
| | | TL42US-240-0250 | 24 | 250 | TL42UD-240-0125 | 2 x 24 | 125 | | |
| 115 (Parallel) or 230 (Series) | TL42MS-060-1000 | 6 | 1000 | TL42MD-060-0500 | 2 x 6 | 500 | 70 | UL5085-1/-2 C-UL TUV CE | |
| | TL42MS-072-0833 | 7.2 | 833 | TL42MD-072-0416 | 2 x 7.2 | 416 | | | |
| | TL42MS-090-0666 | 9 | 666 | TL42MD-090-0333 | 2 x 9 | 333 | | | |
| | TL42MS-100-0600 | 10 | 600 | TL42MD-100-0300 | 2 x 10 | 300 | | | |
| | TL42MS-120-0500 | 12 | 500 | TL42MD-120-0250 | 2 x 12 | 250 | | | |
| | TL42MS-150-0400 | 15 | 400 | TL42MD-150-0200 | 2 x 15 | 200 | | | |
| | TL42MS-180-0333 | 18 | 333 | TL42MD-180-0166 | 2 x 18 | 166 | | | |
| | TL42MS-240-0250 | 24 | 250 | TL42MD-240-0125 | 2 x 24 | 125 | | | |
| 400 | TL42HS-060-1000 | 6 | 1000 | TL42HD-060-0500 | 2 x 6 | 500 | 70 | -- | |
| | TL42HS-072-0833 | 7.2 | 833 | TL42HD-072-0416 | 2 x 7.2 | 416 | | | |
| | TL42HS-090-0666 | 9 | 666 | TL42HD-090-0333 | 2 x 9 | 333 | | | |
| | TL42HS-100-0600 | 10 | 600 | TL42HD-100-0300 | 2 x 10 | 300 | | | |
| | TL42HS-120-0500 | 12 | 500 | TL42HD-120-0250 | 2 x 12 | 250 | | | |
| | TL42HS-150-0400 | 15 | 400 | TL42HD-150-0200 | 2 x 15 | 200 | | | |
| | TL42HS-180-0333 | 18 | 333 | TL42HD-180-0166 | 2 x 18 | 166 | | | |
| | TL42HS-240-0250 | 24 | 250 | TL42HD-240-0125 | 2 x 24 | 125 | | | |

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