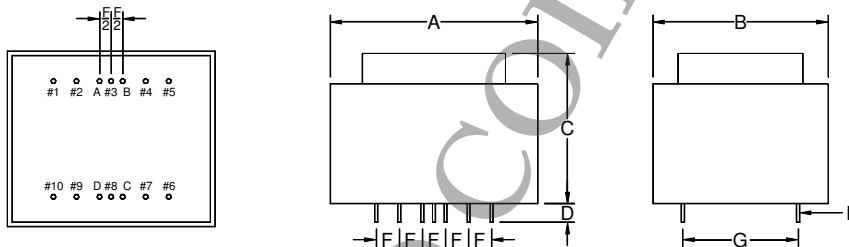




Type EI42 / 14.8

- 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

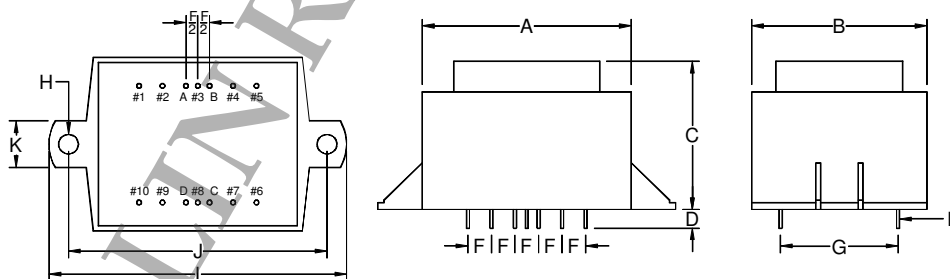
Potting Shell – Type A



	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.

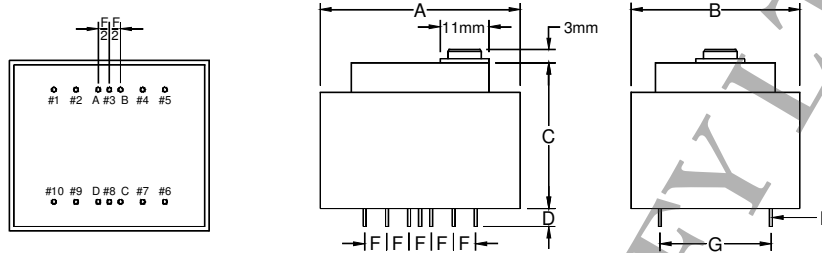
Potting Shell – Type B



	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.

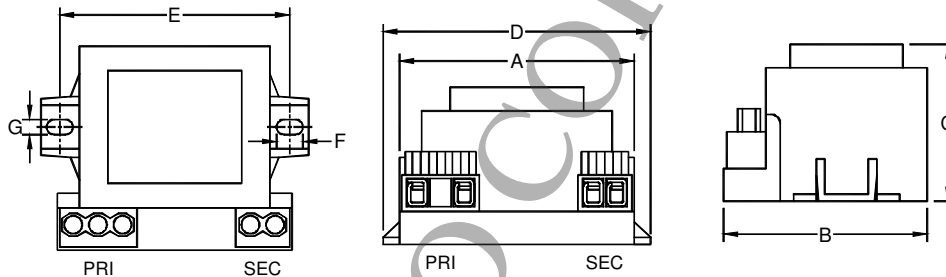
Potting Shell – Type C



	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.

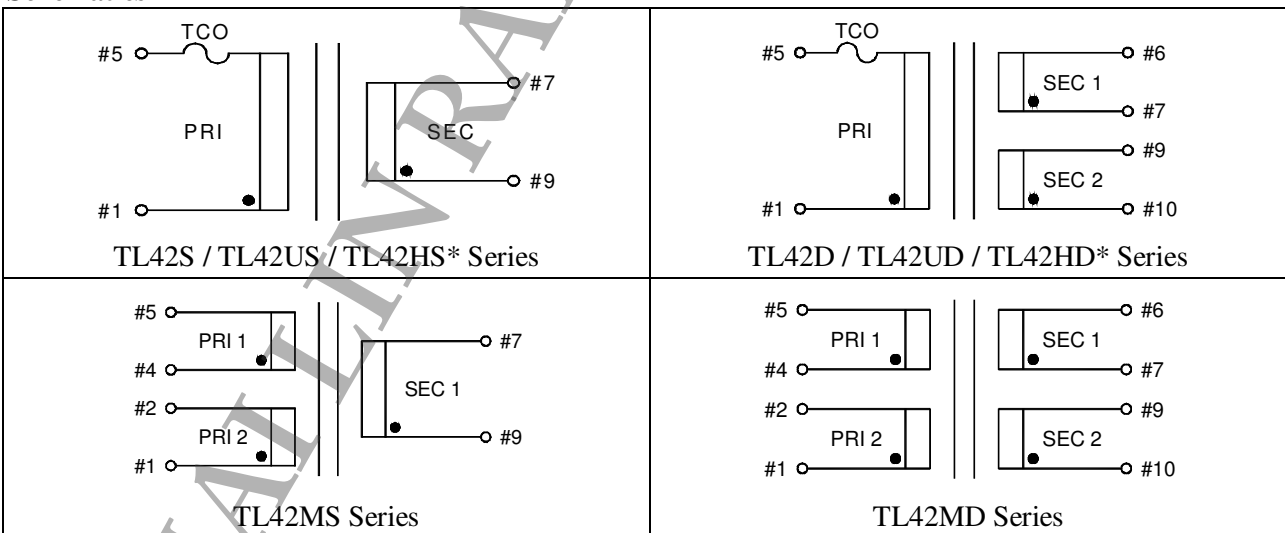
Note: Unused pins are omitted for standard parts. Unused pins can be provided upon request.

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.

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.

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			

Note: 1) TL42S & TL42D series are fail-safe transformers.
2) TL42MS, TL42MD, TL42HS & TL42HD series are non-short-circuit proof transformers.