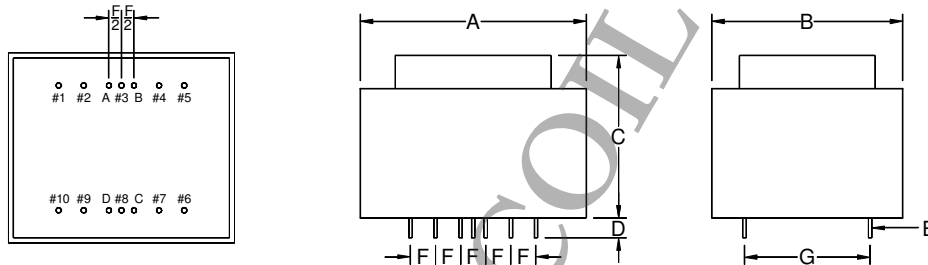


Type EI42 / 21

- Power – 6.5/7.5/8.5VA
- 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: UL5085-1 / -2
 - C-UL: CSA C22.2 #66.1 / #66.2

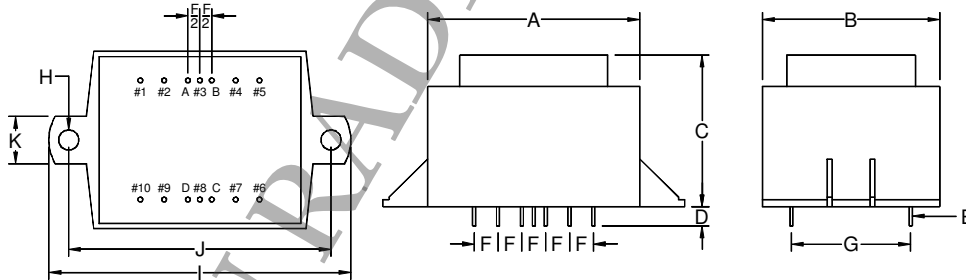
Potting Shell – A



	A	B	C	D	E	F	G	Weight (g)
Dimension (mm)	44.0	37.0	38.2	4.0	SQ0.64	5.0	25.0	240
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.

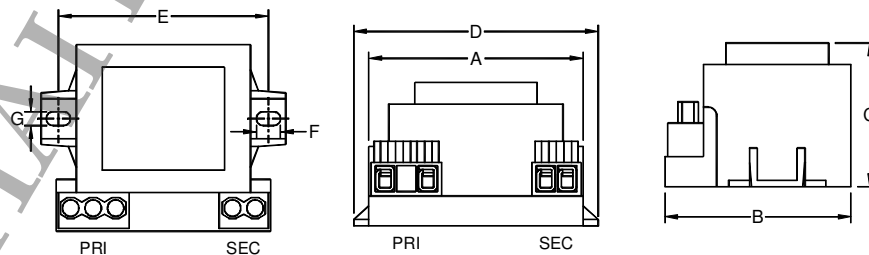
Potting Shell – B



	A	B	C	D	E	F	G	H	I	J	K	Weight (g)
Dimension (mm)	44.0	37.0	38.2	4.0	SQ0.64	5.0	25.0	φ4.2	64.0	55.0	10.0	240
Tolerance (mm)	±1.0	±1.0	±1.0	±1.0	±0.1	±0.2	±0.5	±0.2	max	±0.5	±0.5	approx.

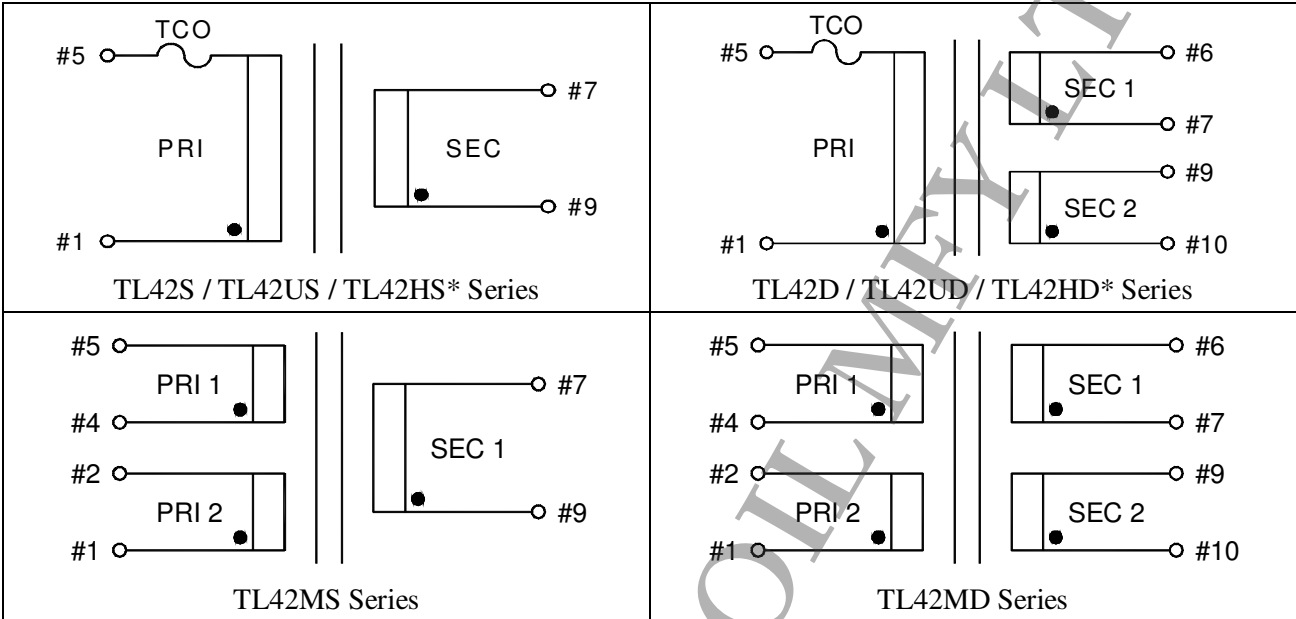
Note: Unused pins are omitted for standard parts. Unused pins can be provided upon request.

Style – Terminal Block



	A	B	C	D	E	F	G	Weight (g)
Dimension (mm)	50.0	46.1	43.4	62.0	53.0	6.0	4.2	260
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

Three designations are available. Use TL42S-060-1084 as example:

- 1) TL42S-060-1084 = Potting Shell A
- 2) TL42S-060-1084 (SB) = Potting Shell B
- 3) TL42S-060-1084TB = 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)		
6.5VA	230	TL42S-060-1084	6	1084	TL42D-060-0542	2 x 6	542	70	TUV CE
		TL42S-072-0902	7.2	902	TL42D-072-0451	2 x 7.2	451		
		TL42S-090-0722	9	722	TL42D-090-0361	2 x 9	361		
		TL42S-100-0650	10	650	TL42D-100-0325	2 x 10	325		
		TL42S-120-0542	12	542	TL42D-120-0271	2 x 12	271		
		TL42S-150-0434	15	434	TL42D-150-0217	2 x 15	217		
		TL42S-180-0361	18	361	TL42D-180-0181	2 x 18	181		
		TL42S-240-0270	24	270	TL42D-240-0135	2 x 24	135		

Note: 1) TL42S & TL42D series are fail-safe transformers.

2) TL42MS, TL42MD, TL42HS & TL42HD series are non-short-circuit proof transformers.

Product Series	Primary (V)	Single Secondary			Dual Secondary			ta (°C)	Agency Approval			
		Part Number	Secondary Rating		Part Number	Secondary Rating						
			(V)	(mA)		(V)	(mA)					
6.5VA	115	TL42US-060-1084	6	1084	TL42UD-060-0542	2 x 6	542	70	UL5085-1/-2 C-UL			
		TL42US-072-0902	7.2	902	TL42UD-072-0451	2 x 7.2	451					
		TL42US-090-0722	9	722	TL42UD-090-0361	2 x 9	361					
		TL42US-100-0650	10	650	TL42UD-100-0325	2 x 10	325					
		TL42US-120-0542	12	542	TL42UD-120-0271	2 x 12	271					
		TL42US-150-0434	15	434	TL42UD-150-0217	2 x 15	217					
		TL42US-180-0361	18	361	TL42UD-180-0181	2 x 18	181					
		TL42US-240-0270	24	270	TL42UD-240-0135	2 x 24	135					
	115 (Parallel) or 230 (Series)	TL42MS-060-1084	6	1084	TL42MD-060-0542	2 x 6	542	70	UL5085-1/-2 C-UL TUV CE			
		TL42MS-072-0902	7.2	902	TL42MD-072-0451	2 x 7.2	451					
		TL42MS-090-0722	9	722	TL42MD-090-0361	2 x 9	361					
		TL42MS-100-0650	10	650	TL42MD-100-0325	2 x 10	325					
TL42MS-120-0542		12	542	TL42MD-120-0271	2 x 12	271						
TL42MS-150-0434		15	434	TL42MD-150-0217	2 x 15	217						
TL42MS-180-0361		18	361	TL42MD-180-0181	2 x 18	181						
TL42MS-240-0270		24	270	TL42MD-240-0135	2 x 24	135						
400	TL42HS-060-1084	6	1084	TL42HD-060-0542	2 x 6	542	70	--				
	TL42HS-072-0902	7.2	902	TL42HD-072-0451	2 x 7.2	451						
	TL42HS-090-0722	9	722	TL42HD-090-0361	2 x 9	361						
	TL42HS-100-0650	10	650	TL42HD-100-0325	2 x 10	325						
	TL42HS-120-0542	12	542	TL42HD-120-0271	2 x 12	271						
	TL42HS-150-0434	15	434	TL42HD-150-0217	2 x 15	217						
	TL42HS-180-0361	18	361	TL42HD-180-0181	2 x 18	181						
	TL42HS-240-0270	24	270	TL42HD-240-0135	2 x 24	135						
	7.5VA	230	TL42S-060-1250	6	1250	TL42D-060-0625			2 x 6	625	70	TUV CE
			TL42S-072-1042	7.2	1042	TL42D-072-0521			2 x 7.2	521		
			TL42S-090-0834	9	834	TL42D-090-0417			2 x 9	417		
			TL42S-100-0750	10	750	TL42D-100-0375			2 x 10	375		
TL42S-120-0625			12	625	TL42D-120-0312	2 x 12	312					
TL42S-150-0500			15	500	TL42D-150-0250	2 x 15	250					
TL42S-180-0416			18	416	TL42D-180-0208	2 x 18	208					
TL42S-240-0312			24	312	TL42D-240-0156	2 x 24	156					
115		TL42US-060-1250	6	1250	TL42UD-060-0625	2 x 6	625	70	UL5085-1/-2 C-UL			
		TL42US-072-1042	7.2	1042	TL42UD-072-0521	2 x 7.2	521					
		TL42US-090-0834	9	834	TL42UD-090-0417	2 x 9	417					
		TL42US-100-0750	10	750	TL42UD-100-0375	2 x 10	375					
	TL42US-120-0625	12	625	TL42UD-120-0312	2 x 12	312						
	TL42US-150-0500	15	500	TL42UD-150-0250	2 x 15	250						
	TL42US-180-0416	18	416	TL42UD-180-0208	2 x 18	208						
	TL42US-240-0312	24	312	TL42UD-240-0156	2 x 24	156						
115 (Parallel) or 230 (Series)	TL42MS-060-1250	6	1250	TL42MD-060-0625	2 x 6	625	70	UL5085-1/-2 C-UL TUV CE				
	TL42MS-072-1042	7.2	1042	TL42MD-072-0521	2 x 7.2	521						
	TL42MS-090-0834	9	834	TL42MD-090-0417	2 x 9	417						
	TL42MS-100-0750	10	750	TL42MD-100-0375	2 x 10	375						
	TL42MS-120-0625	12	625	TL42MD-120-0312	2 x 12	312						
	TL42MS-150-0500	15	500	TL42MD-150-0250	2 x 15	250						
	TL42MS-180-0416	18	416	TL42MD-180-0208	2 x 18	208						
	TL42MS-240-0312	24	312	TL42MD-240-0156	2 x 24	156						

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

Product Series	Primary (V)	Single Secondary			Dual Secondary			ta (°C)	Agency Approval
		Part Number	Secondary Rating		Part Number	Secondary Rating			
			(V)	(mA)		(V)	(mA)		
7.5VA	400	TL42HS-060-1250	6	1250	TL42HD-060-0625	2 x 6	625	70	--
		TL42HS-072-1042	7.2	1042	TL42HD-072-0521	2 x 7.2	521		
		TL42HS-090-0834	9	834	TL42HD-090-0417	2 x 9	417		
		TL42HS-100-0750	10	750	TL42HD-100-0375	2 x 10	375		
		TL42HS-120-0625	12	625	TL42HD-120-0312	2 x 12	312		
		TL42HS-150-0500	15	500	TL42HD-150-0250	2 x 15	250		
		TL42HS-180-0416	18	416	TL42HD-180-0208	2 x 18	208		
		TL42HS-240-0312	24	312	TL42HD-240-0156	2 x 24	156		
8.5VA	230	TL42S-060-1416	6	1416	TL42D-060-0708	2 x 6	708	70	TUV CE
		TL42S-072-1180	7.2	1180	TL42D-072-0590	2 x 7.2	590		
		TL42S-090-0944	9	944	TL42D-090-0472	2 x 9	472		
		TL42S-100-0850	10	850	TL42D-100-0425	2 x 10	425		
		TL42S-120-0708	12	708	TL42D-120-0354	2 x 12	354		
		TL42S-150-0566	15	566	TL42D-150-0283	2 x 15	283		
		TL42S-180-0472	18	472	TL42D-180-0236	2 x 18	236		
		TL42S-240-0354	24	354	TL42D-240-0177	2 x 24	177		
	115	TL42US-060-1416	6	1416	TL42UD-060-0708	2 x 6	708	70	UL5085-1/-2 C-UL
		TL42US-072-1180	7.2	1180	TL42UD-072-0590	2 x 7.2	590		
		TL42US-090-0944	9	944	TL42UD-090-0472	2 x 9	472		
		TL42US-100-0850	10	850	TL42UD-100-0425	2 x 10	425		
		TL42US-120-0708	12	708	TL42UD-120-0354	2 x 12	354		
		TL42US-150-0566	15	566	TL42UD-150-0283	2 x 15	283		
		TL42US-180-0472	18	472	TL42UD-180-0236	2 x 18	236		
		TL42US-240-0354	24	354	TL42UD-240-0177	2 x 24	177		
	115 (Parallel) or 230 (Series)	TL42MS-060-1416	6	1416	TL42MD-060-0708	2 x 6	708	70	UL5085-1/-2 C-UL TUV CE
		TL42MS-072-1180	7.2	1180	TL42MD-072-0590	2 x 7.2	590		
		TL42MS-090-0944	9	944	TL42MD-090-0472	2 x 9	472		
		TL42MS-100-0850	10	850	TL42MD-100-0425	2 x 10	425		
TL42MS-120-0708		12	708	TL42MD-120-0354	2 x 12	354			
TL42MS-150-0566		15	566	TL42MD-150-0283	2 x 15	283			
TL42MS-180-0472		18	472	TL42MD-180-0236	2 x 18	236			
TL42MS-240-0354		24	354	TL42MD-240-0177	2 x 24	177			
400	TL42HS-060-1416	6	1416	TL42HD-060-0708	2 x 6	708	70	--	
	TL42HS-072-1180	7.2	1180	TL42HD-072-0590	2 x 7.2	590			
	TL42HS-090-0944	9	944	TL42HD-090-0472	2 x 9	472			
	TL42HS-100-0850	10	850	TL42HD-100-0425	2 x 10	425			
	TL42HS-120-0708	12	708	TL42HD-120-0354	2 x 12	354			
	TL42HS-150-0566	15	566	TL42HD-150-0283	2 x 15	283			
	TL42HS-180-0472	18	472	TL42HD-180-0236	2 x 18	236			
	TL42HS-240-0354	24	354	TL42HD-240-0177	2 x 24	177			

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2) TL42MS, TL42MD, TL42HS & TL42HD series are non-short-circuit proof transformers.