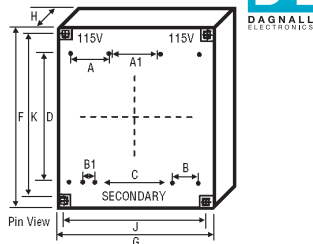
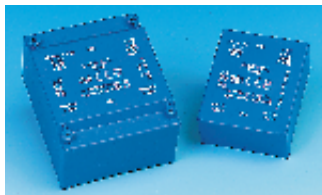


Encapsulated — continued

Triple Output Approved to EN60950



- Dual 115V primary
- Three output voltages 0-9V and 14.5-0-14.5V
- Designed for use in 5V and ±12V dc power supplies
- Encapsulation resin to **UL94V-0**, filled under vacuum
- High efficiency and low temperature rise

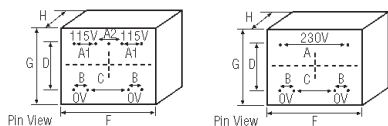
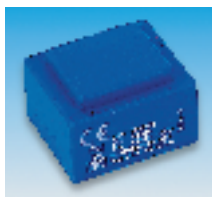
- Low interwinding capacitance and low radiated noise
- 5kV primary/secondary isolation
- 100% Flash and Electrical tested
- **Approved and Independently certified to EN60950**
- Designed and manufactured to **VDE 0551/EN60742**

RATING (VA)		6	10	18	24
Pin Spacing (PRI)	A	10	15	15	15
Pin Spacing (PRI)	A1	15	16	16	16
Pin Spacing (SEC)	B	5	5	5	5
Pin Spacing (SEC)	B1	5+5	5+5	5+5	5+5
Pin Spacing (SEC)	C	20	21	21	21
Pin Row Separation	D	35	45	45	45
Pin Length (0.8 0.6)		4	4	4	4
Box Length	F	53.4	68	68	68
Box Width	G	44.4	57.4	57.4	57.4
Box Height	H	22.5	22.7	28.1	31.6
Fixing Holes (2.5)	J	38	50	50	50
Fixing Holes (2.5)	K	47.5	62.5	62.5	62.5
Weight		180	270	380	470
TYPICAL REGULATION (%)		26	24	20	20

TR93

Rating	Mftrs. List No.	Order Code	1+	20+	50+	100+	250+
6VA	D2196	976-740					
10VA	D2197	976-751					
18VA	D2198	976-763					
24VA	D2199	992-203					
30VA	D2200	992-215					

PCB Mounting Approved to EN60950



New

- Choice of 230V or dual 115V primaries
- Double section bobbins
- 100% Flash and Electrical tested
- 0.35VA, 0.5VA, 1.0VA, 1.5VA and 2.3VA are inherently short circuit proof
- Designed and manufactured to **VDE0551/EN60742**
- **Approved and Independently Certified to EN60950**
- **UL Recognised and CSA Approved (1.5VA, 2.3VA and 3.3VA)**

- Encapsulation resin to **UL94V-0**
- 5kV primary/secondary isolation

Note: For VDE0551/EN60742 conformance reasons, transformers with 2 24V outputs should not have their secondaries connected in series.

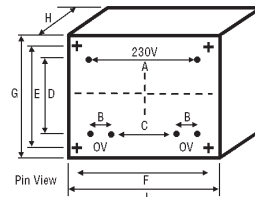
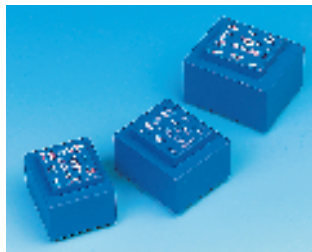
RATING (VA)		0.35	0.5	1.0	1.5	2.3	3.3	3.3
Pin Spacing (230V PRI)	A	15	15	20	20	20	20	—
Pin Spacing (115V PRI)	A1	—	—	—	5	—	—	5
Pin Spacing (115V PRI)	A2	—	—	—	10	—	—	10
Pin Spacing (SEC)	B	5	5	5	5	5	5	5
Pin Spacing (SEC)	C	5	5	10	10	5	10	5
Pin Row Separation	D	15	15	20	20	20	25	25
Box Length	F	22	22	32.5	32.5	32.5	41	41
Box Width	G	22.7	22.7	27.5	27.5	27.5	35	35
Box Height	H	15	19	21.3	21.3	21.3	21.1	27.2
Weight		25	40	65	70	70	95	140
TYPICAL REGULATION (%)		45	45	25	40	40	40	30

TR90

Single Primary – 230V

Mftrs. List No.	Order Code	1+	20+	50+	100+	250+
0.35VA – 0.175VA per secondary winding						
0-6, 0-6V @ 0.029A	D3500					312-1860
0-9, 0-9V @ 0.019A	D3501					312-1872
0-12, 0-12V @ 0.015A	D3502					312-1884
0-15, 0-15V @ 0.011A	D3503					312-1896
0.5VA – 0.25VA per secondary winding						
0-6, 0-6V @ 0.04A	D3504					312-1902
0-9, 0-9V @ 0.03A	D3505					312-1914
0-12, 0-12V @ 0.02A	D3506					312-1926
0-15, 0-15V @ 0.016A	D3507					312-1938
1VA – 0.5VA per secondary winding						
0-6, 0-6V @ 0.08A	D3508					312-1940
0-9, 0-9V @ 0.06A	D3509					312-1951
0-12, 0-12V @ 0.04A	D3510					312-1963
0-15, 0-15V @ 0.03A	D3511					312-1975
1.5VA – 0.75VA per secondary winding						
0-6, 0-6V @ 0.13A	D2005					.926-280
0-8, 0-8V @ 0.09A	D2006					.926-292
0-9, 0-9V @ 0.08A	D2007					.926-309
0-12, 0-12V @ 0.06A	D2008					.926-310
0-15, 0-15V @ 0.05A	D2009					.926-322
0-24, 0-24V @ 0.03A	D2010					.926-334
2.3VA – 1.15VA per secondary winding						
0-6, 0-6V @ 0.19A	D2017					.926-346
0-8, 0-8V @ 0.14A	D2018					.926-358
0-9, 0-9V @ 0.13A	D2019					.926-360
0-12, 0-12V @ 0.1A	D2020					.926-371
0-15, 0-15V @ 0.08A	D2021					.926-383
0-24, 0-24V @ 0.05A	D2022					.926-395
3.3VA – 1.65VA per secondary winding						
0-6, 0-6V @ 0.28A	D2023					.926-401
0-8, 0-8V @ 0.21A	D2024					.926-413
0-9, 0-9V @ 0.18A	D2025					.926-425
0-12, 0-12V @ 0.14A	D2026					.926-437
0-15, 0-15V @ 0.11A	D2027					.926-449
0-24, 0-24V @ 0.07A	D2028					.926-450
Dual Primary – 115/230V						
1.5VA – 0.75VA per secondary winding						
0-6, 0-6V @ 0.13A	D2011					899-719
0-8, 0-8V @ 0.09A	D2012					899-720
0-9, 0-9V @ 0.08A	D2013					899-732
0-12, 0-12V @ 0.06A	D2014					899-744
0-15, 0-15V @ 0.05A	D2015					899-756
0-24, 0-24V @ 0.03A	D2016					899-768
3.3VA – 1.65VA per secondary winding						
0-6, 0-6V @ 0.28A	D2029					899-770
0-9, 0-9V @ 0.18A	D2030					899-781
0-12, 0-12V @ 0.14A	D2031					899-793

Short Circuit Proof Approved to EN60950



- Single 230V primary
- Internal PTC device provides protection against short circuit
- Encapsulation resin to **UL94V-0** - filled under vacuum
- Double section bobbins
- 5kV primary/secondary isolation
- 100% Flash and Electrical tested
- **Approved and Independently Certified to EN60950**
- Designed and manufactured to **VDE 0551/EN60742**

RATING (VA)		4.5	7.5	13
Pin Spacing (230V PRI)	A	25	25	30
Pin Spacing (SEC)	B	5	5	5
Pin Spacing (SEC)	C	15	15	20
Pin Row Separation	D	25	27.5	30
Pin Length (0.635sq)		5	5	4
Box Length	J	45	51	56
Box Width	G	38	43	47
Box Height	H	31.5	34.5	39
Fixing Centres (No. 4 8mm screws)	E	28	32	36
Fixing Centres (No. 4 8mm screws)	F	35	40	45
Weight		190	280	420
TYPICAL REGULATION (%)		25	22	19

TR92

Mftrs. List No.	Order Code	1+	20+	50+	100+	250+
4.5VA - 2.25VA per secondary winding						
0-6, 0-6V @ 0.375A	D2181					976-593
0-9, 0-9V @ 0.25A	D2182					976-600
0-12, 0-12V @ 0.19A	D2183					976-611
0-15, 0-15V @ 0.15A	D2184					976-623
0-18, 0-18V @ 0.13A	D2185					976-635

continued