



**MICROTRAN.**



# INTERNATIONAL POWER TRANSFORMERS

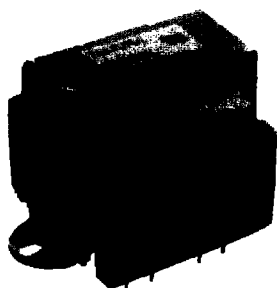
For PC Board, Solid-State Power, Control,  
and Instrumentation Applications.



Recognized Component  
Underwriters Labs Inc

## FEATURES:

- UL Recognized-Meets IEC-65 Safety Requirements for Worldwide Usage. UL 1411-File# E82992, E98949.
- Physical Barriers Between Primary and Secondary-Double Protection System-4,000 Volt hi-pot



## INTERNATIONAL SERIES DIMENSIONS

FIG. A

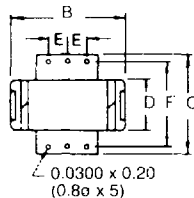
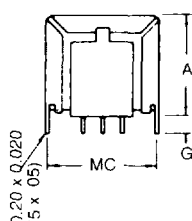


FIG. B

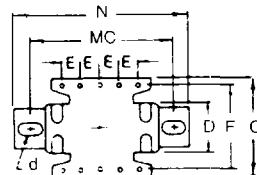
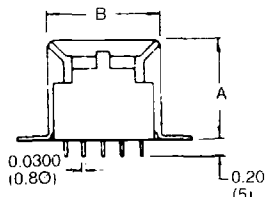
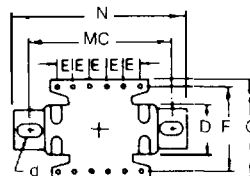
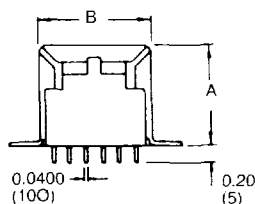


FIG. C



Dimensions "d": 5VA Series, 0.138" x 0.177" (3.5mm x 4.5mm); 9.5 and 15VA Series 0.177" x 0.256" (4.5mm x 6.5mm)

## INTERNATIONAL SERIES MODELS & RATINGS

10A006	PW28-10	10.0V CT, 0.050A	Single secondary	0.7	1	A
10A009	PW28-10-230	10.0V CT, 0.050A	Single secondary	0.7	2	A
10B004	PW35-10	10.0V CT, 0.110A	Single secondary	2.0	3	A
10C009	PW41-10	10.0V CT, 0.350A	Single secondary	5.0	3	B
11D014H	PW48-10	10.0V CT, 0.950A	5.0V, 1.900A	9.5	4	B
11E006H	PW54-10	10.0V CT, 1.250A	5.0V, 2.500A	15.0	4	C
10B005	PW35-12	12.6V CT, 0.090A	Single secondary	2.0	3	A
10C010	PW41-12	12.6V CT, 0.280A	Single secondary	5.0	3	B
11D015H	PW48-12	12.6V CT, 0.750A	6.3V, 1.500A	9.5	4	B
11E007H	PW54-12	12.6V CT, 1.000A	6.3V, 2.000A	15.0	4	C
10A007	PW28-16	16.0V CT, 0.031A	Single secondary	0.7	1	A
10A010	PW28-16-230	16.0V CT, 0.031A	Single secondary	0.7	2	A
10B006	PW35-16	16.0V CT, 0.070A	Single secondary	2.0	3	A
10C011	PW41-16	16.0V CT, 0.220A	Single secondary	5.0	3	B
11D016H	PW48-16	16.0V CT, 0.600A	8.0V, 1.200A	9.5	4	B
11E008H	PW54-16	16.0V CT, 0.780A	8.0V, 1.560A	15.0	4	C
10A008	PW28-24	24.0V CT, 0.021A	Single secondary	0.7	1	A
10A011	PW28-24-230	24.0V CT, 0.021A	Single secondary	0.7	2	A
11B001H	PW35-24	24.0V CT, 0.046A	Single secondary	2.0	3	A
10C012	PW41-24	24.0V CT, 0.150A	Single secondary	5.0	3	B
11D017H	PW48-24	24.0V CT, 0.400A	12.0V, 0.800A	9.5	4	B
11E009H	PW54-24	24.0V CT, 0.520A	12.0V, 1.040A	15.0	4	C
11B002H	PW35-36	36.0V CT, 0.031A	Single secondary	2.0	3	A
11C005H	PW41-36	36.0V CT, 0.100A	Single secondary	5.0	3	E
11D018H	PW48-36	36.0V CT, 0.260A	18.0V, 0.520A	9.5	4	B
11E010H	PW54-36	36.0V CT, 0.350A	18.0V, 0.700A	15.0	4	C
11D019H	PW48-56	56.0V CT, 0.170A	28.0V, 0.340A	9.5	4	B
11E011H	PW54-56	56.0V CT, 0.223A	28.0V, 0.446A	15.0	4	C

Note 1: Individual transformer coil rating is parallel connection voltage & series connection current.

Note 2: Single primary models: 10A006, 7.8, PW28-10, PW28-16, PW28-24, 115V AC models: 10A009, 10, 11, PW28-10-230, PW28-16-230, PW28-24-230, 230V AC

## TRIPLE OUTPUT TRANSFORMERS FOR REGULATED & UNREGULATED POWER SUPPLIES

11E012H	PWT54-1024	9V, 800ma	24V, 300ma	+5V, 670ma	±15V, 170ma	5	C
11E013H	PWT54-1633	16V, 550ma	33V, 180ma	+9V, 470ma	±21V, 120ma	6	C

Note 3: ±9VDC and ±21VDC outputs are for input to ±5VDC and ±15VDC IC voltage regulators (ckt 6.)

## INTERNATIONAL SERIES DIMENSIONS AND WEIGHTS<sup>4</sup>

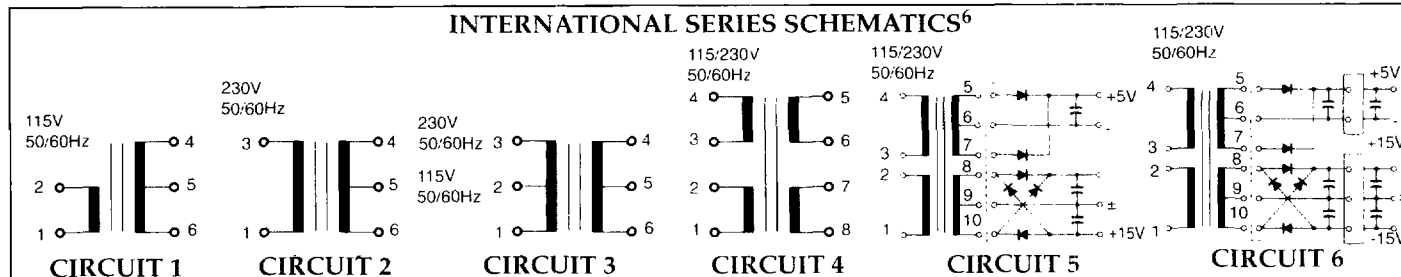
Model	10A	10B & 11B	10C & 11C	11D	11E	1.10	1.16	1.32	1.12	0.49	0.20	0.98	0.20	N/A	2.47
						(28)	(29.5)	(33.5)	(28.5)	(12.5)	(5)	(25)	(5)		(70)
						1.26	1.44	1.69	1.40	0.61	0.30	1.38	0.24	N/A	4.59
						(32)	(36.5)	(43)	(35.5)	(15.5)	(7.5)	(35)	(6)		(130)
						1.42	1.67	1.91	2.05	0.85	0.39	1.57	N/A	2.36	8.11
						(36)	(42.5)	(48.5)	(52)	(21.5)	(10)	(40)		(60)	(230)
						1.69	1.97	2.05	2.32	1.08	0.30	1.77	N/A	2.72	15.87
						(43)	(50)	(52)	(59)	(27.5)	(7.5)	(45)		(69)	(450)
						1.93	2.22	2.09	2.72	1.08	0.30	1.77	N/A	3.15	19.05
						(49)	(56.5)	(53)	(69)	(27.5)	(7.5)	(45)		(80)	(540)

Note 4: Dimensions in inches (mm). Weight in ounces (gm).

Note 5: See note under mechanical specifications for dimension "d"

Note 6: Ratings based on 120V nominal input

## INTERNATIONAL SERIES SCHEMATICS<sup>6</sup>



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Tamura:

10A009