

ImperviTRAN™ PRODUCT SELECTION GUIDE

GENERAL SPECIFICATIONS: ALL ARE 50/60 HZ RATED

BUILDING STYLE:

Series 2 IMPERVITRAN

IMPERVITRAN (non-Series 2) highlighted in blue

Blue not Series 2

Approvals: UL/cUL File #E46323

Approvals: UL File #E46323/CSA File #LR27533

TERMINAL TIGHTENING TORQUE (ALL IMPERVITRAN STYLES): ≤30A: 20 lb/in; >30A: 30 lb/in

TERMINAL NUMBER: Column "T" denotes terminal count needed to select terminal cover kits

Sold as 10-Paks. TPTC-2001 fits all 4-terminal designs; TPTC-2002 fits all 6-terminal designs

SUFFIX DESCRIPTION:

"J" in suffix denotes jumpers necessary for operation

"K" in suffix denotes installed secondary fuse clips

"-1" in suffix denotes installed secondary fuse clips (serialized P/Ns)

"-3" in suffix denotes no fuse clips on unit (serialized P/Ns)

"R" in suffix denotes installed Class "CC" primary fuse block

"-8 or -5" in suffix denotes installed Class "CC" primary fuse block (serialized P/Ns)

"X" in suffix is a place holder. The letter it replaces is not available on that unit

Two letter suffix denotes Temp Class 105°C

Three letter suffix ending in "F" denotes Temp Class 130°C

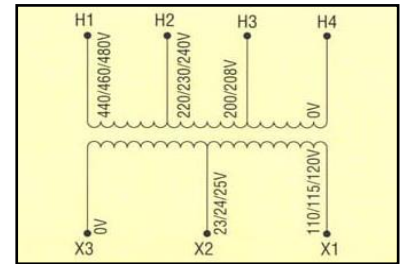
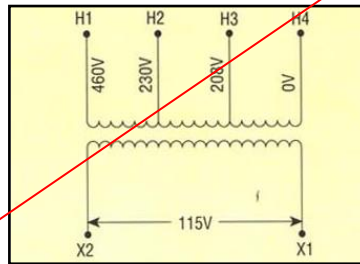
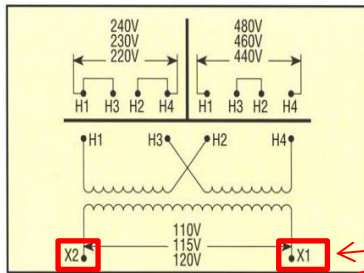
Three letter suffix ending in "H" denotes Temp Class 180°C

Pertinent agency and mechanical data

Number of terminals

Transformer Full Load Amps

Terminal designators



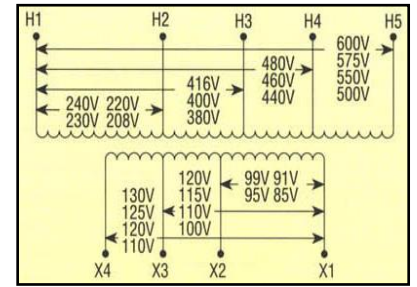
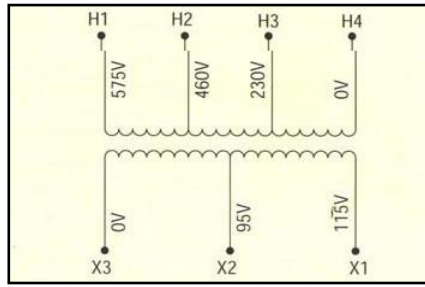
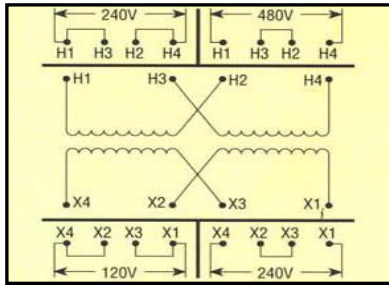
Primary: 220 x 440, 230 x 460, 240 x 480 Secondary: 110/115/120			
T	F.L.A.	VA	CATALOG NUMBER
4	0.43	50	B050BTZ13JK
4	0.65	75	B075BTZ13JK
4	0.87	100	B100BTZ13JK
4	1.30	150	B150BTZ13JKF
4	1.74	200	B200BTZ13JKF
4	2.17	250	B250BTZ13JKF
4	2.61	300	B300BTZ13JKF
4	3.04	350	B350BTZ13JKF
6	4.35	500	B500BTZ13JKF
6	6.52	750	B750BTZ13JKF
6	8.70	1000	B1K0BTZ13JKF
6	13.04	1500	B1K5BTZ13JKF
6	17.39	2000	B2K0BTZ13JKH
6	26.09	3000	B3K0BTZ13JXH
6	43.48	5000	B5K0BTZ13JXH

Primary: 208, 230, 460 Secondary: 115			
T	F.L.A.	VA	CATALOG NUMBER
4	0.43	50	B050MBT13XK
4	0.65	75	B075MBT13XK
4	0.87	100	B100MBT13XK
4	1.30	150	B150MBT13XKF
4	1.74	200	B200MBT13XKF
4	2.17	250	B250MBT13XKF
4	2.61	300	B300MBT13XKF
4	3.04	350	B350MBT13XKF
6	4.35	500	B500MBT13XKF
6	6.52	750	B750MBT13XKF
6	8.70	1000	B1K0MBT13XKF
6	13.04	1500	B1K5MBT13XKF
6	17.39	2000	B2K0MBT13XKH
6	26.09	3000	B3K0MBT13XXH
6	43.48	5000	B5K0MBT13XXH

Primary: 208/230/460 Secondary: 24/115			
T	F.L.A.	VA	CATALOG NUMBER
4	2.08/0.44	50	B050-2000-1
4	3.13/0.65	75	B075-2001-1
4	4.17/0.87	100	B100-2002-1
4	6.25/1.30	150	B150-2003-1F
4	8.33/1.74	200	B200-2004-1F
4	10.42/2.17	250	B250-2005-1F
6	12.50/2.61	300	B300-2006-1F
6	14.58/3.04	350	B350-2007-1F
6	20.84/4.35	500	B500-2008-1F
6	31.30/6.50	750	B750-2009-1F
6	41.70/8.70	1000	B1K0-2010-1F

Blue is not Series 2

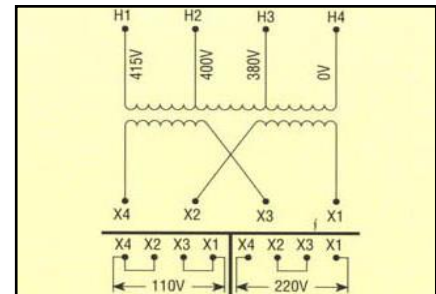
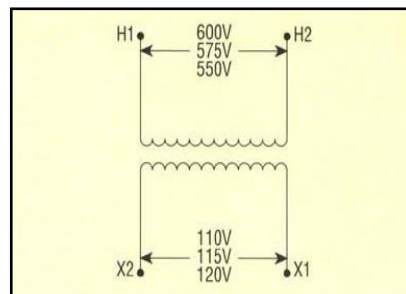
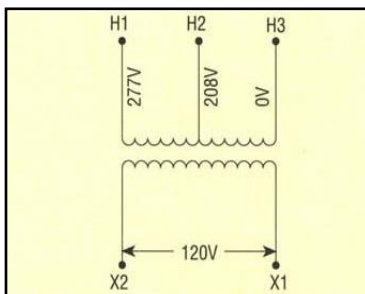
MICRON ALSO OFFERS THE *DINergy*™ LINE OF INDUSTRIAL DIN-MOUNT POWER SUPPLIES FROM 18 – 960 WATT PLUS SINGLE PHASE AND THREE PHASE LVGP, BUCK-BOOST TRANSFORMERS AND SPECIALTY MAGNETICS



Primary: 240 x 480 Secondary: 120 x 240			
T	F.L.A.	VA	CATALOG NUMBER
4	0.42/0.21	50	B050PU1519JJ
4	0.63/0.31	75	B075PU1519JJ
4	0.83/0.42	100	B100PU1519JJ
4	1.25/0.63	150	B150PU1519JJF
4	1.67/0.83	200	B200PU1519JJF
4	2.08/1.04	250	B250PU1519JJF
4	2.50/1.25	300	B300PU1519JJF
4	2.92/1.46	350	B350PU1519JJF
6	4.17/2.08	500	B500PU1519JJF
6	6.25/3.12	750	B750PU1519JJF
6	8.70/4.35	1000	B1K0-0500-3F
6	13.04/6.52	1500	B1K5-0501-3H
6	17.39/8.70	2000	B2K0-0502-3H
6	26.09/13.04	3000	B3K0-0503-3H
6	43.48/21.74	5000	B5K0-0504-3H

Primary: 230, 460, 575 Secondary: 95, 115			
T	F.L.A.	VA	CATALOG NUMBER
4	0.53/0.44	50	B050BTW37XX
4	0.79/0.65	75	B075BTW37XX
4	1.05/0.87	100	B100BTW37XX
4	1.58/1.30	150	B150BTW37XXF
4	2.11/1.74	200	B200BTW37XXF
4	2.63/2.17	250	B250BTW37XXF
4	3.16/2.61	300	B300BTW37XXF
4	3.68/3.04	350	B350BTW37XXF
6	5.26/4.35	500	B500BTW37XXF
6	7.89/6.52	750	B750BTW37XXF
6	10.53/8.70	1000	B1K0BTWZ37XKH
6	15.79/13.04	1500	B1K5BTWZ37XKH
6	21.05/17.39	2000	B2K0BTWZ37XKH
6	31.58/26.09	3000	B3K0BTWZ37XXH
6	52.63/43.48	5000	B5K0BTWZ37XXH

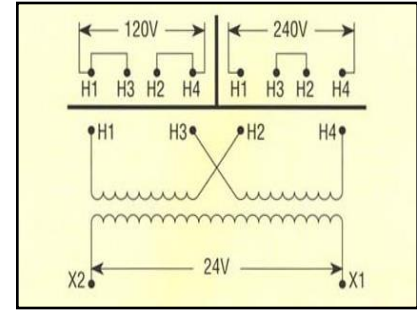
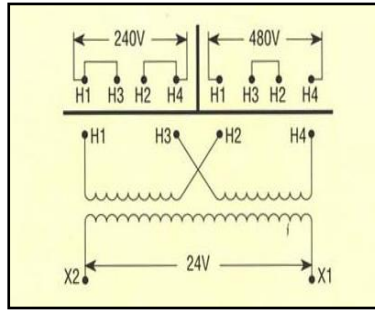
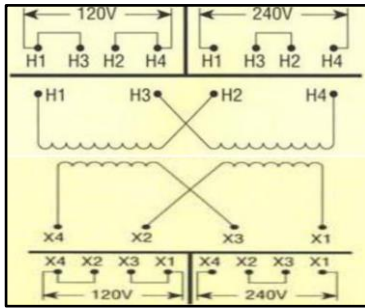
Primary: 208 - 600 Secondary: 85 - 130			
T	F.L.A.	VA	CATALOG NUMBER
6	0.38	50	B050-0482-1
6	0.77	100	B100-0483-1
6	1.15	150	B150-0484-1F
6	1.92	250	B250-0485-1F
6	2.69	350	B350-0486-1F
6	3.85	500	B500-0487-1F
6	5.77	750	B750-0488-1F
IMPERVITRAN (non-Series 2)			



Primary: 208, 277 Secondary: 120			
T	F.L.A.	VA	CATALOG NUMBER
4	0.42	50	B050MQ15XK
4	0.63	75	B075MQ15XK
4	0.83	100	B100MQ15XK
4	1.25	150	B150MQ15XKF
4	1.67	200	B200MQ15XKF
4	2.08	250	B250MQ15XKF
4	2.50	300	B300MQ15XKF
4	2.92	350	B350MQ15XKF
6	4.17	500	B500MQ15XKF
6	6.25	750	B750MQ15XKF

Primary: 550/575/600 Secondary: 110/115/120			
T	F.L.A.	VA	CATALOG NUMBER
4	0.42	50	B050WZ13XK
4	0.65	75	B075WZ13XK
4	0.87	100	B100WZ13XK
4	1.30	150	B150WZ13XKF
4	1.74	200	B200WZ13XKF
4	2.17	250	B250WZ13XKF
4	2.61	300	B300WZ13XKF
4	3.04	350	B350WZ13XKF
6	4.35	500	B500WZ13XKF
6	6.52	750	B750WZ13XKF

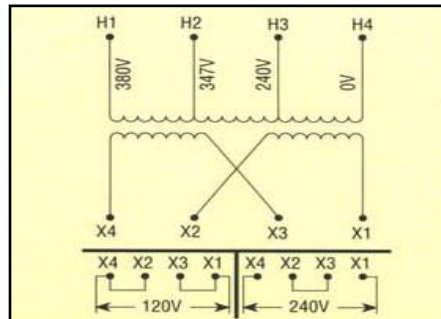
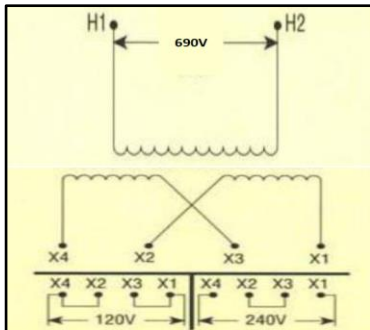
Primary: 380, 400, 415 Secondary: 110 x 220			
T	F.L.A.	VA	CATALOG NUMBER
4	0.46/0.23	50	B050RFD34XJ
4	0.68/0.34	75	B075RFD34XJ
4	0.91/0.46	100	B100RFD34XJ
4	1.37/0.69	150	B150RFD34XJF
4	1.82/0.91	200	B200RFD34XJF
4	2.28/1.14	250	B250RFD34XJF
4	2.72/1.36	300	B300RFD34XJF
4	3.18/1.59	350	B350RFD34XJF
6	4.55/2.27	500	B500RFD34XJF
6	6.82/3.41	750	B750RFD34XJF



Primary: 120 x 240 Secondary: 120 x 240			
T	F.L.A.	VA	CATALOG NUMBER
4	0.42/0.21	50	B050LP1519JJ
4	0.83/0.42	100	B100LP1519JJ
4	1.25/0.63	150	B150LP1519JJF
4	2.08/1.04	250	B250LP1519JJF
4	2.92/1.46	350	B350LP1519JJF
6	4.17/2.08	500	B500LP1519JJF
6	6.25/3.12	750	B750LP1519JJF

Primary: 240 x 480 Secondary: 24			
T	F.L.A.	VA	CATALOG NUMBER
4	2.08	50	B050PU7JK
4	3.13	75	B075PU7JK
4	4.17	100	B100PU7JK
4	6.25	150	B150PU7JKF
4	8.33	200	B200PU7JKF
4	10.42	250	B250PU7JKF
4	12.50	300	B300PU7JKF
4	14.58	350	B350PU7JKF
6	20.83	500	B500PU7JKF
6	31.25	750	B750PU7JKF

Primary: 120 x 240 Secondary: 24			
T	F.L.A.	VA	CATALOG NUMBER
4	2.08	50	B050LP7JK
4	3.13	75	B075LP7JK
4	4.17	100	B100LP7JK
4	6.25	150	B150LP7JKF
4	8.33	200	B200LP7JKF
4	10.42	250	B250LP7JKF
4	12.50	300	B300LP7JKF
4	14.58	350	B350LP7JKF
6	20.83	500	B500LP7JKF
6	31.25	750	B750LP7JKF

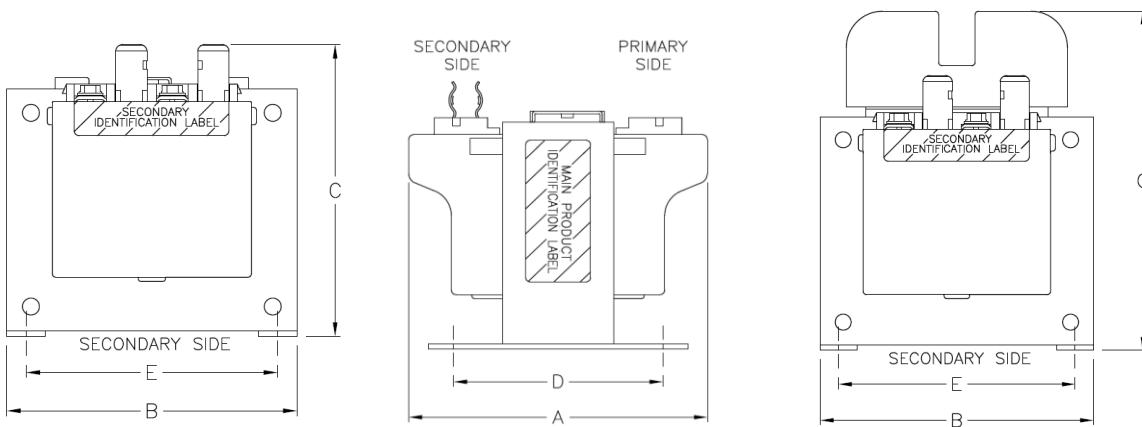


(non UL) Primary: 690 (non CSA) Secondary: 120 x 240			
T	F.L.A.	VA	CATALOG NUMBER
4	0.42/0.21	50	B050-3656-5
4	0.83/0.42	100	B100-3657-5
4	1.25/0.63	150	B150-0653-5F
4	2.08/1.04	250	B250-0654-5F
4	2.92/1.46	350	B350-0655-5F
6	4.17/2.08	500	B500-0656-5F
6	6.25/3.12	750	B750-0657-5F

Primary: 240, 347, 380 Secondary: 120 x 240			
T	F.L.A.	VA	CATALOG NUMBER
6	8.33/4.17	1000	B1K0-0321-3F
6	12.50/6.25	1500	B1K5-0322-3H
6	16.67/8.33	2000	B2K0-0323-3H
6	25.00/12.50	3000	B3K0-0324-3H
6	41.67/20.83	5000	B5K0-0325-3H
IMPERVITRAN (Non-Series 2)			

**MICRON ALSO OFFERS THE *DINergy™* LINE OF INDUSTRIAL DIN-MOUNT POWER SUPPLIES FROM 18 – 960 WATT
PLUS SINGLE PHASE AND THREE PHASE LVGP, BUCK-BOOST TRANSFORMERS AND SPECIALTY MAGNETICS**

ImperviTRAN™ PRODUCT DIMENSIONAL DATA



Series 2 Depicted

Note: Dimension "C" is always depicted as a maximum dimension

Primary fuse block adds 1.375" (35MM) to the "C" dimension

Deduct 0.50" (12.7MM) from "C" dimension when removing secondary fuse clips

All highlighted in yellow matches footprint to identical VA "BTZ13" design

MATCHED DIMENSIONS: 50-750VA Yellow highlight equals match to same VA, BTZ13 footprint

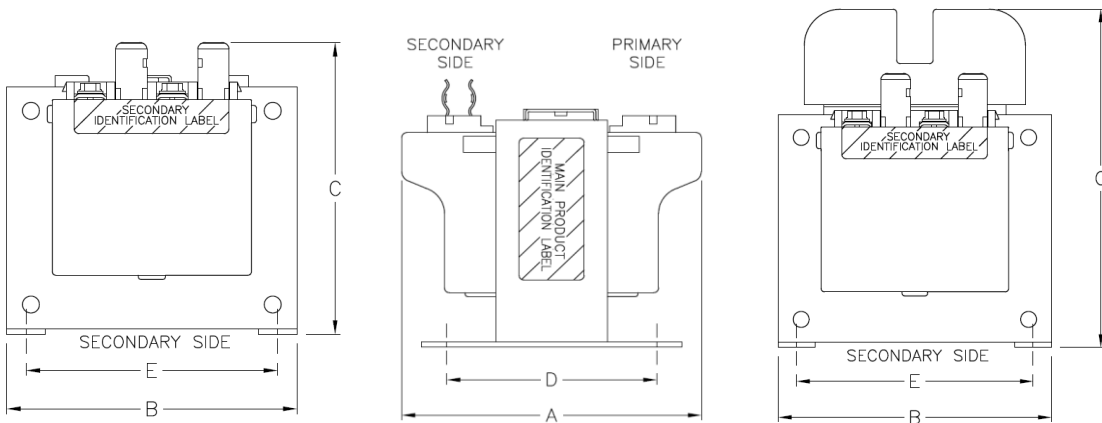
Voltage Groups: BTZ13, PU7, LP7, WZ13, MQ15, RFD34, PU1519, LP1519

VA	SERIES 2 (MAX)		ALL VERSIONS		INC'L FUSE CLIP		ALL VERSIONS		ALL VERSIONS		W
DIMENSIONS	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	LBS
50	3.78	96	3.00	76	3.14	79	1.96	50	2.50	64	2.70
75	4.00	102	3.00	76	3.14	79	2.42	62	2.50	64	3.40
100	4.00	102	3.38	86	3.46	88	2.45	62	2.81	71	4.40
150	4.03	102	3.75	95	3.77	96	2.82	71	3.13	79	6.00
200	4.38	111	4.50	114	4.40	112	2.42	62	3.75	95	8.90
250	4.38	111	4.50	114	4.40	112	2.82	71	3.75	95	9.30
300	4.75	121	4.50	114	4.40	112	3.18	81	3.75	95	11.00
350	4.75	121	4.50	114	4.40	112	3.75	95	3.75	95	11.60
500	6.11	155	5.25	133	5.14	131	3.88	99	4.38	111	17.40
750	7.61	193	5.25	133	5.14	131	5.38	137	4.38	111	26.50

THE FOLLOWING DIMENSIONS DIFFER FROM THE PREVIOUSLY LISTED VA RATINGS

MBT13 -- Pri: 208, 230, 460 Sec: 115

VA	SERIES 2 (MAX)		ALL VERSIONS		INC'L FUSE CLIP		ALL VERSIONS		ALL VERSIONS		W
DIMENSIONS	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	LBS
B050MBT13XK	3.78	96	3.00	76	3.14	79	2.21	56	2.50	64	2.70
B075MBT13XK	4.00	102	3.38	86	3.46	88	2.45	63	2.82	71	3.40
B100MBT13XK	4.00	102	3.38	86	3.46	88	2.62	67	2.81	71	4.40
B150MBT13XKF	4.03	102	3.75	95	3.77	96	2.82	71	3.13	79	5.60
B200MBT13XKF	4.38	111	4.50	114	4.40	112	2.82	71	3.75	95	9.10
B250MBT13XKF	4.75	121	4.50	114	4.40	112	3.18	81	3.75	95	10.80
B300MBT13XKF	4.75	121	4.50	114	4.40	112	3.75	95	3.75	95	11.20
B350MBT13XKF	5.75	146	4.50	114	4.40	112	4.72	120	3.75	95	12.40
B500MBT13XKF	6.11	155	5.25	133	5.14	131	4.38	111	4.38	111	17.40
B750MBT13XKF	7.61	193	5.25	133	5.14	131	5.87	149	4.38	111	26.20



Series 2 Depicted

BTW37 -- Pri: 230, 460, 575 Sec: 95, 115

VA	SERIES 2 (MAX)		ALL VERSIONS		NO FUSE CLIP		ALL VERSIONS		ALL VERSIONS		W
DIMENSIONS	INCH	A MM	INCH	B MM	INCH	C MM	INCH	D MM	INCH	E MM	LBS
B050BTW37XX	4.03	102	3.00	76	2.72	69	2.20	56	2.50	64	3.20
B075BTW37XX	4.03	102	3.38	86	3.04	77	2.42	62	2.81	71	4.20
B100BTW37XX	4.50	114	3.38	86	3.04	77	2.81	71	2.81	71	5.50
B150BTW37XXF	4.53	115	3.75	95	3.36	85	3.18	81	3.13	79	7.70
B200BTW37XXF	4.38	111	3.75	95	3.98	101	2.82	72	3.75	95	9.10
B250BTW37XXF	4.38	111	4.50	114	3.98	101	3.18	81	3.75	95	9.50
B300BTW37XXF	4.75	121	4.50	114	3.98	101	3.75	95	3.75	95	11.60
B350BTW37XXF	5.61	143	5.25	133	4.63	118	3.38	86	4.38	111	13.80
B500BTW37XXF	6.19	157	5.25	133	4.63	118	4.38	111	4.38	111	17.60
B750BTW37XXF	8.11	206	5.25	133	4.63	118	5.87	149	4.38	111	29.90

GROUP J – (SERIES 2 VERSION OF MBT713) *B1K0-2010-1F IS NON SERIES 2

Pri: -- 208, 230, 460 Sec: 24, 115

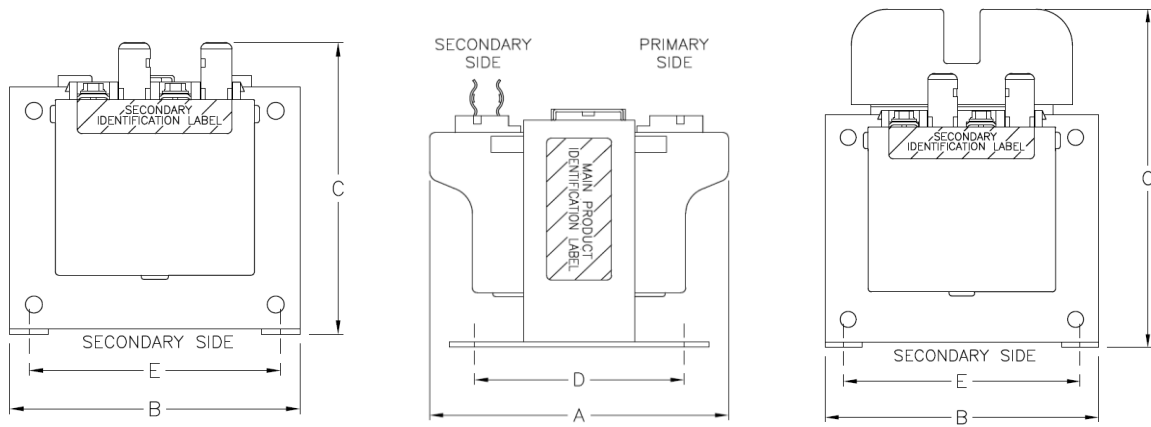
Red highlight equals match to same VA Group J footprint

All highlighted in red matches footprint to identical VA "Group J" design

VA					INC'L FUSE CLIP						W
DIMENSIONS	INCH	A MM	INCH	B MM	INCH	C MM	INCH	D MM	INCH	E MM	LBS
B050-2000-1	4.53	115	3.00	76	3.14	79	2.81	71	2.50	64	4.30
B075-2001-1	4.50	114	3.38	86	3.46	88	2.81	71	2.81	71	5.50
B100-2002-1	4.53	115	3.75	95	3.78	96	3.00	76	3.13	79	6.50
B150-2003-1F	5.03	128	3.75	95	3.78	96	3.18	81	3.13	79	9.50
B200-2004-1F	4.38	111	4.50	114	4.40	112	3.00	76	3.75	95	9.80
B250-2005-1F	4.75	121	4.50	114	4.40	112	3.75	95	3.75	95	11.30
B300-2006-1F	6.11	155	5.25	133	5.14	131	3.88	99	4.38	111	14.10
B350-2007-1F	6.11	155	5.25	133	5.14	131	3.88	99	4.38	111	16.40
B500-2008-1F	7.11	181	5.25	133	5.14	131	5.38	137	4.38	111	23.10
B750-2009-1F	7.11	181	6.75	172	6.30	160	5.00	127	6.13	156	38.60
*B1K0-2010-1F	8.13	207	6.75	172	5.73	146	6.13	156	6.13	156	48.40

Universal Voltage – Pri: 208-600 Sec: 85-130 ALL ARE NON SERIES 2

VA					INC'L FUSE CLIP						W
DIMENSIONS	INCH	A MM	INCH	B MM	INCH	C MM	INCH	D MM	INCH	E MM	LBS
B050-0482-1	3.44	87	3.88	99	3.38	86	2.41	61	2.81	71	4.00
B100-0483-1	4.00	102	3.75	95	3.62	92	3.00	76	3.13	79	6.80
B150-0484-1F	4.00	102	4.50	114	4.11	104	2.82	71	3.75	95	7.90
B250-0485-1F	5.75	146	4.50	114	4.11	104	4.73	120	3.75	95	10.00
B350-0486-1F	5.69	145	5.25	133	4.64	118	4.38	111	4.38	111	13.60
B500-0487-1F	7.19	183	5.25	133	4.95	126	5.88	149	4.38	111	18.20
B750-0488-1F	6.44	164	6.75	172	5.73	146	4.25	108	6.13	156	30.70

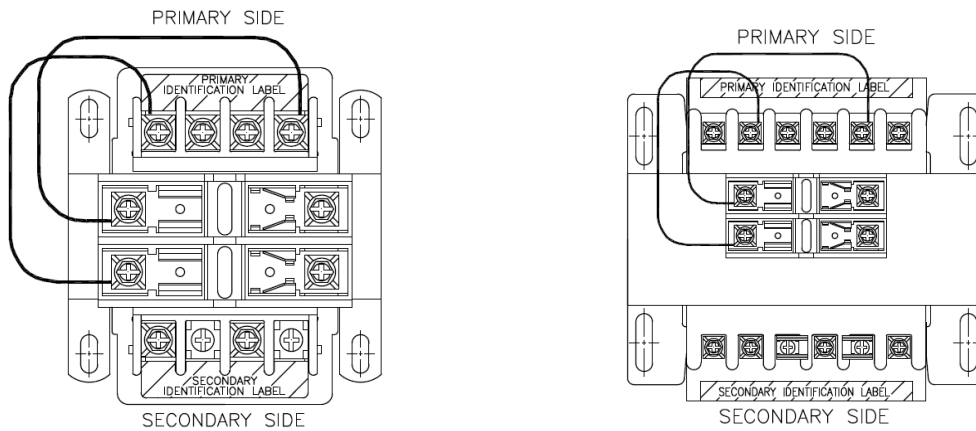


Series 2 Depicted

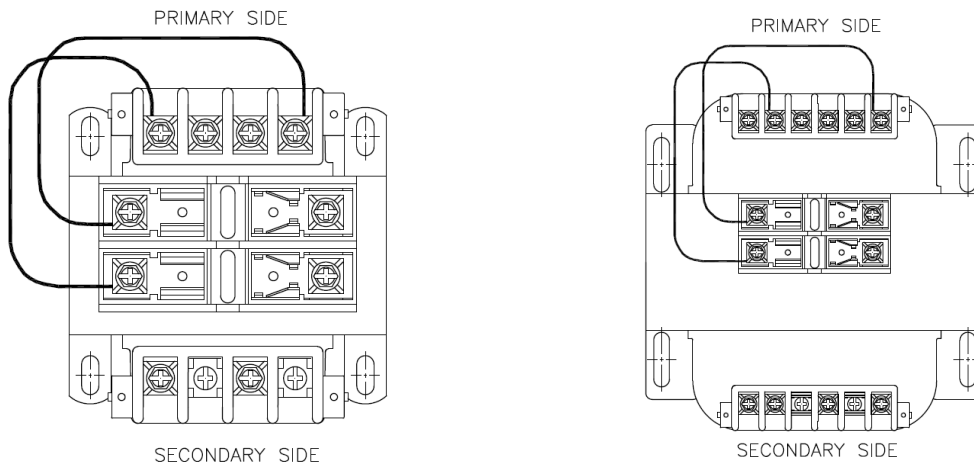
Special Products -- Pri: 690, Sec: 120 x 240

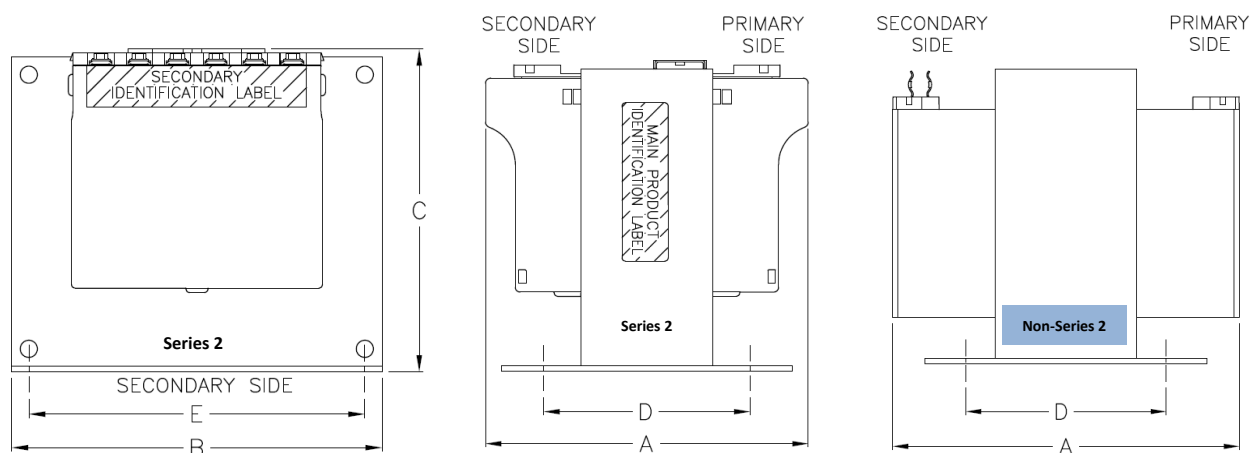
VA					NO FUSE CLIP						W
DIMENSIONS	INCH	A MM	INCH	B MM	INCH	C MM	INCH	D MM	INCH	E MM	LBS
B050-3656-3	3.78	96	3.00	76	2.95	75	1.96	50	2.50	64	2.70
B100-3657-3	4.00	102	3.38	86	3.27	83	2.45	62	2.81	71	4.10
B150-0653-5F	4.03	102	3.75	95	3.57	91	2.82	71	3.13	79	5.10
B250-0654-5F	4.37	111	4.50	114	4.20	107	2.82	71	3.75	95	8.80
B350-0655-5F	4.74	121	4.50	114	4.18	106	3.18	81	3.75	95	10.90
B500-0656-5F	6.11	155	5.25	133	4.94	126	3.88	99	4.38	111	16.20
B750-0657-5F	7.61	193	5.25	133	4.94	126	5.38	137	4.38	111	24.90

DIAGRAMS BELOW DEPICT SERIES 2 PRIMARY FUSING OPTION



DIAGRAMS BELOW DEPICT NON-SERIES 2 PRIMARY FUSING OPTION





KVA SIZES: Can be either Series 2 or **Non-Series 2**

BTZ13 Pri: 230/460 Sec: 115 No secondary fuse clip > 2Kva **Yellow highlight equals same VA footprint**

VA					INC'L FUSE CLIP						W
DIMENSIONS	INCH	A MM	INCH	B MM	INCH	C MM	INCH	D MM	INCH	E MM	LBS
B1K0BTZ13JKF	6.11	155	6.75	172	6.30	160	3.91	99	6.13	156	30.50
B1K5BTZ13JKF	8.11	206	6.75	172	6.32	161	6.13	156	6.13	156	50.10
B2K0BTZ13JKH	7.75	197	6.75	172	6.28	160	6.13	156	6.13	156	46.10
B3K0BTZ13JXH	8.00	203	9.00	229	7.50	191	5.25	133	7.50	191	68.80
B5K0BTZ13JXH	10.00	254	9.00	229	7.50	191	7.19	183	7.50	191	109.40

MBT13 Pri: 208, 230, 460 Sec: 115 No secondary fuse clip > 2Kva

VA					INC'L FUSE CLIP						W
DIMENSIONS	INCH	A MM	INCH	B MM	INCH	C MM	INCH	D MM	INCH	E MM	LBS
B1K0MBT13XKF	7.45	189	6.38	162	5.42	138	5.06	129	5.31	135	37.00
B1K5MBT13XKF	8.50	216	6.75	172	5.75	146	6.09	155	6.13	156	53.90
B2K0MBT13XKH	8.13	207	6.75	172	6.28	160	5.25	133	6.13	156	51.60
B3K0MBT13XXH	8.50	216	9.00	229	7.50	191	5.75	146	7.50	191	77.10
B5K0MBT13XXH	10.31	262	9.00	229	7.50	191	7.56	192	7.50	191	114.60

BTWZ37 Pri: 230/460/575 Sec: 95/115 No secondary fuse clip > 2Kva

VA					INC'L FUSE CLIP						W
DIMENSIONS	INCH	A MM	INCH	B MM	INCH	C MM	INCH	D MM	INCH	E MM	LBS
B1K0BTWZ37XKH	7.00	178	6.38	162	5.42	138	5.06	129	5.31	135	31.80
B1K5BTWZ37XKH	7.45	189	6.75	172	6.29	160	5.25	133	6.13	156	44.20
B2K0BTWZ37XKH	7.56	192	9.00	229	7.80	198	4.81	122	7.50	191	57.70
B3K0BTWZ37XXH	8.69	221	9.00	229	7.50	191	5.94	151	7.50	191	83.60
B5K0BTWZ37XXH	11.00	279	9.00	229	7.50	191	8.19	208	7.50	191	129.40

PU1519 Pri: 240 x 480 Sec: 120 x 240

VA					NO FUSE CLIP						W
DIMENSIONS	INCH	A MM	INCH	B MM	INCH	C MM	INCH	D MM	INCH	E MM	LBS
B1K0-0500-3F	7.00	178	5.25	133	4.48	114	5.38	137	4.38	111	28.8
B1K5-0501-3H	7.00	178	6.75	172	5.75	146	4.25	108	6.13	156	37.00
B2K0-0502-3H	7.75	197	6.75	172	5.73	146	4.97	126	6.13	156	46.00
B3K0-0503-3H	8.00	203	9.00	229	7.62	194	5.25	133	7.50	191	80.00
B5K0-0504-3H	10.00	254	9.00	229	7.50	191	7.19	183	7.50	191	114.60

Special Voltages – Pri: 240, 347, 380 Sec: 120 x 240

VA					NO FUSE CLIP						W
DIMENSIONS	INCH	A MM	INCH	B MM	INCH	C MM	INCH	D MM	INCH	E MM	LBS
B1K0-0321-3F	7.19	183	6.38	162	5.42	138	5.06	129	5.31	135	29.00
B1K5-0322-3H	8.13	207	6.38	162	5.44	138	5.06	129	5.31	135	33.30
B2K0-0323-3H	8.88	226	6.75	172	5.79	147	6.13	156	6.13	156	61.10
B3K0-0324-3H	8.50	216	9.00	229	7.62	194	5.69	146	7.50	191	80.00
B5K0-0325-3H	10.31	262	9.00	229	7.50	191	7.56	192	7.50	191	114.60