



ENGINEERING SPECIFICATION

PART: TRANSFORMER 300VA 1PH

PART NO. 800-012-02

REV: 02

GG1-1

OUT LINE DRAWING AND DIMENSIONS → SEE SHT 3 OF 3.

VENDOR:	MICRON
VENDOR PNO.	B300PU1519.JJ

DESCRIPTION : INDUSTRIAL CONTROL TRANSFORMER CORE AND COIL TYPE OPEN STYLE FOR PANEL BOARD MOUNTING. TROPICAL FINISH, INSULATION FOR 115°C TEMP. RISE AIR COOLED. FLYING LEADS 24 INCH. LENGTH. UL RECOGNIZED.

DIMENSIONS : SEE SHEETS 2 & 3 OF 3.

PRIMARY : 240/480 VOLTS 50/60HZ

SECONDARY : 120/240 VOLTS 50/60HZ.

RATING : 300VA IN STILL AIR

LOAD : RELAY COILS, CONTACTOR COILS AND SOLENOIDS 0.2PF.

REGULATION : NO LOAD / FULL LOAD, 3% MAXIMUM

AL-ZAMIL REFRIGERATION INDUSTRIES

SHEET 1 OF 3 SHEETS

02 ADDED VENDOR MICRON & SHT 2&3&3

R.W.T. 15.6.85

CHECKED BY ROBERT WILLIAM THOMPSON R.W.T.

1 DIMENSIONS CHANGED REGULATION WAS 2%

R.W.T. 15.6.85

APPROVED BY GERALD C. SMITH

GLS 15/07/85

REVISIONS

DATE

ISSUE DATE

15/06/1985

REV: 02

Group K



Primary Volts

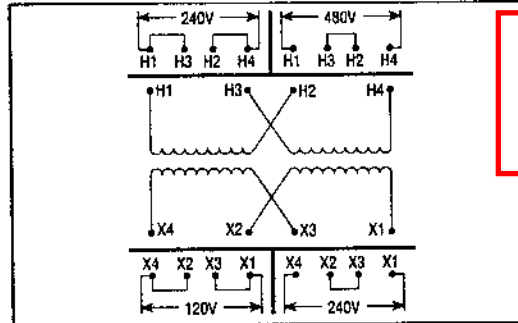
240 x 480

Secondary Volts

120 x 240

UL and SF Listed

50 / 60 Hz



GG1-2

VA Rating	Catalog Number	Construction Figure	Output Amps	DIMENSIONS (inches) • mm					Mounting Slots	Approx. Wt. (lbs.) • kg
				A	B	C	D	E		
50	B050PU1519JJ	B	0.42 / 0.21	3 ¹¹ / ₁₆	3 ⁷ / ₁₆	2 ¹ / ₁₆	2 ⁵ / ₁₆	2 ¹ / ₁₆	1 ¹ / ₄ X 1/2 • 5 X 10	2.6 • 1.2
75	B075PU1519JJ	B	0.63 / 0.31	3 ¹ / ₂	3 ⁷ / ₁₆	2 ¹ / ₁₆	2 ¹ / ₁₆	2 ¹ / ₁₆	1 ¹ / ₄ X 1/2 • 5 X 10	3.5 • 1.6
100	B100PU1519JJ	B	0.83 / 0.42	3 ³ / ₄	3 ¹ / ₂	2 ⁷ / ₁₆	2 ³ / ₁₆	2 ¹ / ₁₆	1 ¹ / ₄ X 1/2 • 5 X 10	4.2 • 1.9
150	B150PU1519JJ	B	1.25 / 0.63	4	3 ³ / ₄	3 ¹ / ₁₆	2 ⁷ / ₁₆	3 ¹ / ₁₆	1 ¹ / ₄ X 1/2 • 5 X 10	6.7 • 3.1
200	B200PU1519JJ	B	1.67 / 0.83	4	4 ¹ / ₂	3 ¹ / ₁₆	2 ⁷ / ₁₆	3 ¹ / ₁₆	1 ¹ / ₄ X 1/2 • 5 X 10	8.5 • 3.9
250	B250PU1519JJ	B	2.08 / 1.04	4 ¹ / ₂	4 ¹ / ₂	3 ¹ / ₁₆	2 ⁷ / ₁₆	3 ¹ / ₁₆	1 ¹ / ₄ X 1/2 • 5 X 10	10.0 • 4.6
300	B300PU1519JJ	B	2.50 / 1.25	4 ³ / ₄	4 ¹ / ₂	3 ¹ / ₁₆	3 ³ / ₄	3 ¹ / ₁₆	1 ¹ / ₄ X 1/2 • 5 X 10	11.8 • 5.4
350	B350PU1519JJ	B	2.92 / 1.46	5 ¹ / ₄	4 ¹ / ₂	3 ¹ / ₁₆	3 ³ / ₄	3 ¹ / ₁₆	1 ¹ / ₄ X 1/2 • 5 X 10	13.6 • 6.2
500	B500PU1519JJ	B	4.17 / 2.08	5 ¹ / ₄	5 ¹ / ₄	4 ³ / ₄	4 ¹ / ₂	4 ³ / ₄	1 ¹ / ₂ X 1 ¹ / ₁₆ • 8 X 17	17.5 • 8.0
750	B750PU1519JJ	B	6.25 / 3.12	7	5 ¹ / ₄	4 ³ / ₄	5 ³ / ₄	4 ³ / ₄	1 ¹ / ₂ X 1 ¹ / ₁₆ • 8 X 17	26.4 • 12.0

JJ suffix denotes transformer supplied with primary & secondary J-2 jumpers; secondary fuse clips not applicable.

17

Group L

Universal Transformer



Primary Volts

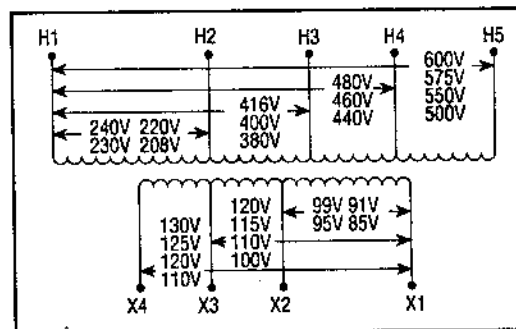
240/416/480/600, 230/400/460/575, 220/380/440/550, 208/500

Secondary Volts

99 / 120 / 130, 95 / 115 / 125, 91 / 110 / 120, 85 / 100 / 110

UL and SF Listed

50 / 60 Hz



VA Rating	Catalog Number	Construction Figure	Output Amps	DIMENSIONS (inches) • mm					Mounting Slots	Approx. Wt. (lbs.) • kg
				A	B	C	D	E		
50	V050-0482-1	V	0.38	4	3 ³ / ₄	2 ⁷ / ₁₆	2 ⁷ / ₁₆	2 ¹ / ₁₆	1 ¹ / ₄ X 1/2 • 5 X 10	4.0 • 1.8
100	V100-0483-1	V	0.77	4 ¹ / ₂	3 ³ / ₄	3 ¹ / ₁₆	3 ¹ / ₁₆	3 ¹ / ₁₆	1 ¹ / ₄ X 1/2 • 5 X 10	6.6 • 3.0
150	V150-0484-1	V	1.15	4 ⁷ / ₁₆	4 ¹ / ₂	3 ¹ / ₁₆	2 ⁷ / ₁₆	3 ³ / ₄	1 ¹ / ₄ X 1/2 • 5 X 10	8.8 • 4.0
250	V250-0485-1	V	1.92	5 ¹ / ₄	4 ¹ / ₂	3 ¹ / ₁₆	4 ³ / ₄	3 ³ / ₄	1 ¹ / ₄ X 1/2 • 5 X 10	14.7 • 6.7
350	V350-0486-1	V	2.69	5 ³ / ₄	5 ¹ / ₄	4 ⁷ / ₁₆	4 ³ / ₄	4 ³ / ₄	1 ¹ / ₂ X 1 ¹ / ₁₆ • 8 X 17	18.6 • 8.5
500	V500-0487-1	V	3.85	7	5 ¹ / ₄	4 ⁷ / ₁₆	6 ¹ / ₂	4 ³ / ₄	1 ¹ / ₂ X 1 ¹ / ₁₆ • 8 X 17	25.6 • 11.6
750	V750-0488-1	V	5.77	5 ¹ / ₁₆	6 ³ / ₄	5 ³ / ₄	4 ¹ / ₂	5 ¹ / ₁₆	1 ¹ / ₂ X 1 ¹ / ₁₆ • 8 X 14	30.5 • 13.9

-1 suffix denotes transformer supplied with secondary fuse clips for a 1¹/₂ x 1¹/₂ fuse; primary jumpers not applicable.

Sales and Technical Support
1 800 664-4660

SHEET 3 of 3 Page 800-012-02

The Micron Edge

NUMBER ONE



The Micron Edge in Industrial Control Transformers

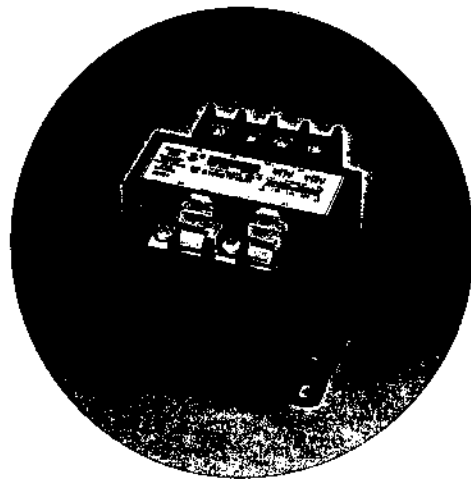
*While other manufacturers treat control transformers as just one of a variety of products, control transformers are THE major product focus for Micron. This focus, along with Micron's commitment to customer service and quality, has made Micron **Number One** with specifiers of transformers.*

- Laminations are of the finest silicon steel to minimize core losses and to increase optimum performance and efficiency.
- Copper magnet wire of the highest quality assures efficient operation – even hidden components should be the best available.
- UL 506 Listed - file No. E46323
- CSA Certified - file No. LR27533
- Insulation materials are of the highest rating available for the temperature class.
- Mounting brackets are heavy gauge steel to add strength to core construction and provide stable mounting. Slotted mounting feet permit easy installation.
- Attractive black finish; easy-to-read nameplate with complete rating data and wiring diagram. ▶

ImperviTRAN®

GG1-3

SPECIFICATIONS



ImperviTRAN... is the ultra-reliable industrial control circuit transformer. Behind its clean design is a toughness that makes it measure up to any requirement placed upon it. Manufacturers of industrial and commercial equipment, control panels and centers have made **ImperviTRAN** the most accepted transformer in the industry.

- Epoxy encapsulated coils
- Secondary fuse clips where applicable
- Optional Primary Fusing
- Molded terminal barriers
- 10-32 screw terminals
- Molded-in terminals
- Phil-slot screws ▶

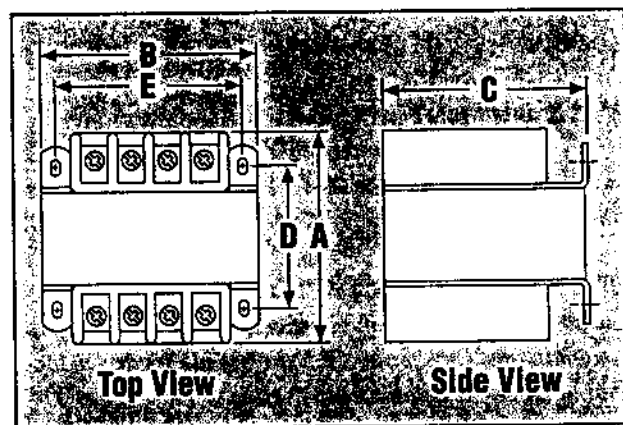


Figure B

ImperviTRAN Construction
Class 105°C insulation system
55°C temperature rise
Epoxy encapsulated coils