Technical Data Sheet

Omega ANSI LV VT



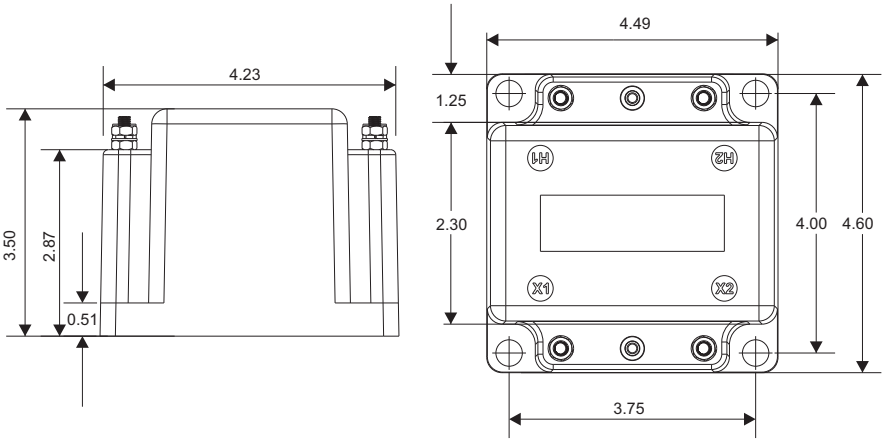




E472409

OMEGA ANSI LV VT 460

Dimensional Details:





Application

60 Hz (50Hz available on request)

Standard Secondary Voltage

120 Volts

Insulation Level

600 Volts, 10kV BIL full wave

Accuracy Class

0.6 W, 1.2X at 60 Hz

Thermal Rating

150 VA at 30 °C. amb.
100 VA at 55 °C. amb.

Terminals are brass studs No. 10-32 with one lockwasher, flatwasher and regular nut.

Approximate weight 7.75 lbs.

Omega ANSI LV VT 460

Catalog Number Not Fused	Voltage Rating	Turns Rating
460-069	69.3:120	0.58:1
460-120	120:120	1:1
460-208	208:120	1.73:1
460-240	240:120	2:1
460-277	277:120	2.31:1
460-288	288:120	2.4:1
460-300	300:120	2.5:1
460-346	346:120	2.88:1
460-360	360:120	3:1
460-400	400:120	3.33:1
460-415	415:120	3.45:1
*460-480	*480:120	4:1
*460-600	*600:120	5:1

- The core and coil assembly is encased in a thermoplastic shell and filled with resin.
- These transformers are designed for operation line-to-line. They may also be operated line-to-ground or line-to-neutral at reduced voltage, (58 % of rated volts).
- With two exceptions these transformer are ANSI C57.13 group 1. Those marked * are group 2.
- Models designed specifically for 50Hz operation are available with reduced performance.

All dimensions are in inches

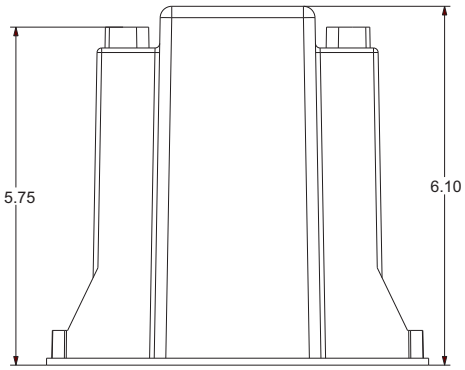
Ordering Information

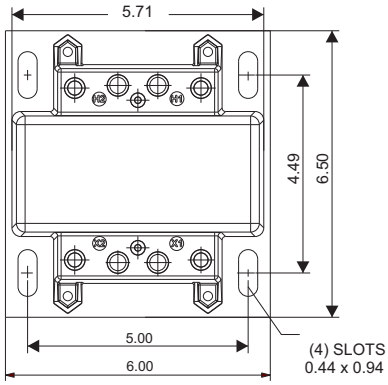
XV60	
Characteristic Description	**Value**
Primary Voltage for XV60	069 : 69V 120 : 120V 208: 208V 240: 240V 277: 270V 288: 288V 300: 300V 346: 346V 360: 360V 400: 400V 415: 415V 480: *480V 600: *600V
Secondary Voltage for XV60	1: 120V
VT Accuracy and Burden Designation	01 : 0.6 W, 1.2x
Frequency for XV60	S : 60Hz
Case colour for XV60	BT : Black Case & Terminal ST : Sifam Tinsley
Customer Specific	00 : Blank

Example : XV60-069101SBTST00 - LVVT 460-069 69V/120V 0.6W 60Hz

ANSI LV VT 450

Dimensional Details:







Application

60 Hz (50Hz available on request)

Standard Secondary Voltage

120 Volts

Insulation Level

600 Volts, 10kV BIL full wave

Accuracy Class

0.3 W, X, M & Y, 1.2Z
Those Marked ** are 0.3 W, 0.6X, M & Y

Thermal Rating

750 VA at 30 °C. amb., 500 VA at 55 °C.amb.
The primary and secondary terminals are No. 10-32 screws into 3/8. deep brass inserts and fitted with one lockwasher and flatwasher and are contained in a sealable terminal cover.

Approximate weight 25 lbs.

ANSI LV VT 450

Catalog Number Not Fused	Voltage Rating	Turns Rating
**450-069	69.3:120	0.58:1
**450-120	120:120	1:1
450-208	208:120	1.73:1
450-240	240:120	2:1
450-277	277:120	2.31:1
450-288	288:120	2.4:1
450-300	300:120	2.5:1
450-346	346:120	2.88:1
450-360	360:120	3:1
450-400	400:120	3.33:1
450-415	415:120	3.45:1
*450-480	*480:120	4:1
*450-600	*600:120	5:1

- The core and coil assembly is encased in a thermoplastic shell and filled with resin.
- These transformers are designed for operation line-to-line. They may also be operated line-to-ground or line-to-neutral at reduced voltage, (58 % of rated volts).
- With two exceptions these transformer are ANSI C57.13 group 1. Those marked * are group 2.
- Models designed specifically for 50Hz operation are available with reduced performance.

All dimensions are in inches

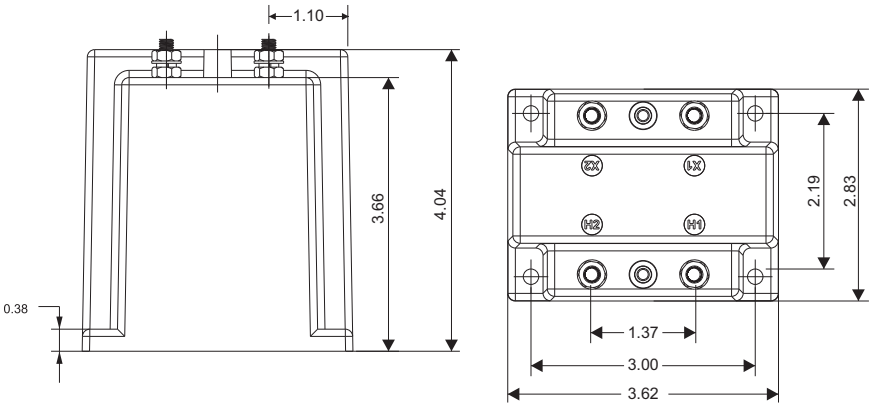
Ordering Information

XV50	
Characteristic Description	**Value**
Primary Voltage for XV50	069 : 69V 120 : 120V 208: 208V 240: 240V 277: 270V 288: 288V 300: 300V 346: 346V 360: 360V 400: 400V 415: 415V 480: *480V 600: *600V
Secondary Voltage for XV50	1: 120V
VT Accuracy and Burden Designation	01 : 0.3 W, 0.6 X, M and Y 02 : 0.3 W, X, M and Y, 1.2Z
Frequency for XV50	S : 60Hz F : 50Hz
Case colour for XV60	BT : Black Case & Terminal ST : Sifam Tinsley
Customer Specific	00 : Blank

Example : XV50-069101SBTST00 - LVVT 450-069 69V/120V 0.3W 60Hz

ANSI LV VT 468

Dimensional Details:





Application

60 Hz (50Hz available on request)

Standard Secondary Voltage

120 Volts

Insulation Level

600 Volts, 10kV BIL full wave

Accuracy Class

± 0.6% at all burdens up to 7.5 VA and
±1.5% 20 VA burden.

Thermal Rating

75 VA at 30 °C. amb.
50 VA at 55 °C. amb.

Terminals are brass studs No. 10-32 with one lockwasher, flatwasher and regular nut.

Approximate weight 4 lbs.

ANSI LV VT 468

Catalog Number Not Fused	Voltage Rating	Turns Rating
468-069	69.3:120	0.58:1
468-120	120:120	1:1
468-208	208:120	1.73:1
468-240	240:120	2:1
468-277	277:120	2.31:1
468-288	288:120	2.4:1
468-300	300:120	2.5:1
468-346	346:120	2.88:1
468-360	360:120	3:1
468-400	400:120	3.33:1
468-415	415:120	3.45:1
*468-480	*480:120	4:1
*468-600	*600:120	5:1

- The core and coil assembly is encased in a thermoplastic shell and filled with resin.
- These transformers are designed for operation line-to-line. They may also be operated line-to-ground or line-to-neutral at reduced voltage, (58 % of rated volts).
- With two exceptions these transformer are ANSI C57.13 group 1. Those marked * are group 2.
- Models designed specifically for 50Hz operation are available with reduced performance.

All dimensions are in inches

Ordering Information

XV68	
Characteristic Description	**Value**
Primary Voltage for XV68	069 : 69V 120 : 120V 208 : 208V 240 : 240V 277 : 270V 288 : 288V 300 : 300V 346 : 346V 360 : 360V 400 : 400V 415 : 415V 480 : *480V 600 : *600V
Secondary Voltage for XV68	1: 120V
VT Accuracy and Burden Designation	01 : ±0.6% upto 7.5 VA burden ±1.5% upto 20 VA burden
Frequency for XV68	S : 60Hz F : 50Hz
Case colour for XV60	BT : Black Case & Terminal ST : Sifam Tinsley
Customer Specific	00 : Blank

Example : XV68-069101SBTST0000 - LVVT 468-069 69V/120V ±0.6 % 7.5VA 60Hz

sifam tinsley
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