



RITZ INSTRUMENT TRANSFORMERS, INC.

Instrument Transformers

Voltage Transformers

DVF-6

General Description

The DVF – 6 voltage transformer is designed for use with watt-hour meters, relays and in other control applications. It is suitable for both indoor and outdoor service. The transformer meets all applicable IEEE, ANSI, CSA, and NEMA standards.

Construction

The primary and secondary coils are wound on insulated tubes. The wound coils are positioned around a distributed gap core of grain oriented silicone steel. The core and windings are then encapsulated in polyurethane resin inside a molded shell of tough thermoplastic polyester resin.

Terminals and Cover

Primary and secondary terminals are tinned-bronze compression-type with a large 0.29" (7.5mm) diameter thru-hole. Clear polycarbonate terminal covers are secured by thumb-screws which can accept a sealing wire.

Base Plate

The transformer comes with a marine-grade aluminum base plate that incorporates an industry standard mounting pattern.

Test Reports

Test reports according to the latest revisions of IEEE C57.13 and CSA are stored electronically at time of test and can be sent via email in customer preferred formats at time of shipment.



Thermal Rating

The DVF – 6 comes in two variants; one with a thermal burden of 500 VA at 30°C and one with a thermal burden of 750 VA at 30°C.

Special Use with AMI Systems

The DVF-6 variant with a 750 VA thermal burden rating is specifically designed for use with AMI systems that employ communication via certain power-line carrier technologies. These models have an available short-circuit current greater than 175A, which is the rating recommended by popular AMI vendors.

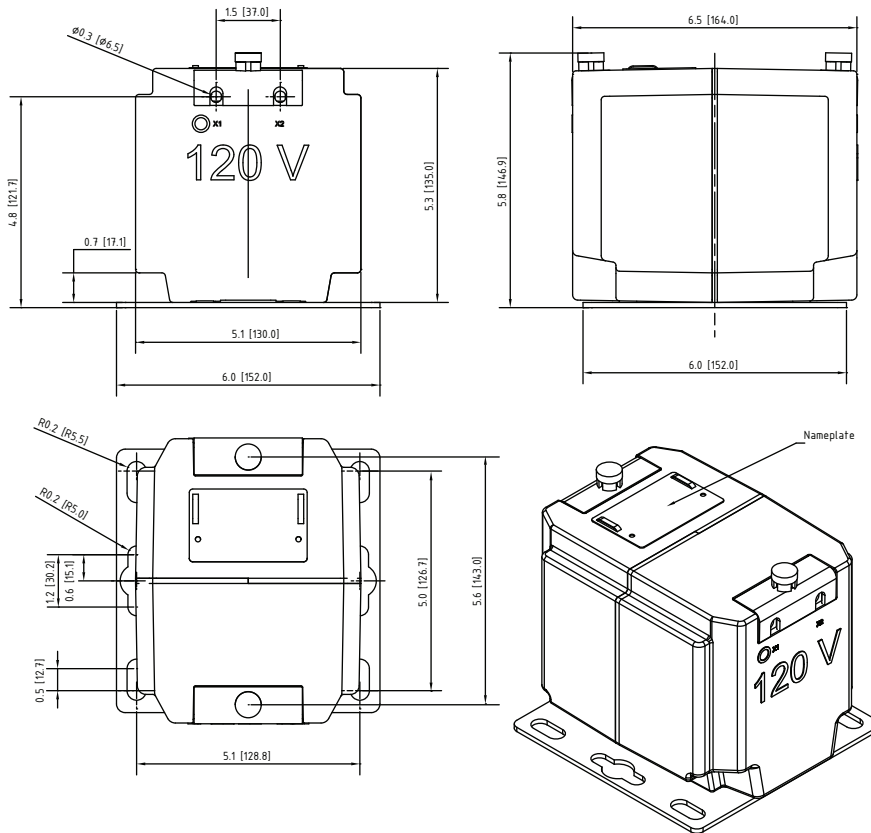


Standard DVF-6 Design

RATED PRIMARY	CATALOG NUMBER	RATIO	RATED SECONDARY	ACCURACY/BURDEN (60 HZ)	THERMAL BURDEN	MEASUREMENT CANADA APPROVED
120/208YV	120601014.0468	1:1	120 V	0.3WXM, 0.6Y	500 VA	AE-1816
240/416YV	120601014.0463	2:1	120 V	0.3WXM, 0.6Y	500 VA	AE-1816
288/500YV	120601014.0464	2.4:1	120 V	0.3WXM, 0.6Y	500 VA	AE-1816
300/520YV	120601014.0465	2.5:1	120 V	0.3WXM, 0.6Y	500 VA	AE-1816
360/360YV	120601014.0498	3:1	120 V	0.3WXM, 0.6Y	500 VA	AE-1816
480/480YV	120601014.0466	4:1	120 V	0.3WXM, 0.6Y	500 VA	AE-1816
600/600YV	120601014.0467	5:1	120 V	0.3WXM, 0.6Y	500 VA	AE-1816

DVF-6 DESIGN FOR ACLARA/TWACS - POWER-LINE CARRIER AMI

RATED PRIMARY	CATALOG NUMBER	RATIO	RATED SECONDARY	ACCURACY/BURDEN (60 HZ)	THERMAL BURDEN	MEASUREMENT CANADA APPROVED
120/208YV	120601014.0872	1:1	120 V	0.3WXM, 0.6Y	750 VA	NA
240/416YV	120601014.0873	2:1	120 V	0.3WXM, 0.6Y	750 VA	NA
288/500YV	120601014.0874	2.4:1	120 V	0.3WXM, 0.6Y	750 VA	NA
300/520YV	120601014.0875	2.5:1	120 V	0.3WXM, 0.6Y	750 VA	NA
360/360YV	120601014.0876	3:1	120 V	0.3WXM, 0.6Y	750 VA	NA
480/480YV	120601014.0877	4:1	120 V	0.3WXM, 0.6Y	750 VA	NA
600/600YV	120601014.0878	5:1	120 V	0.3WXM, 0.6Y	750 VA	NA



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