VV-6100 SERIES Current Transformers for Electronic Watt Meters AC

Mechanical Specification

RoHS COMPLIANT

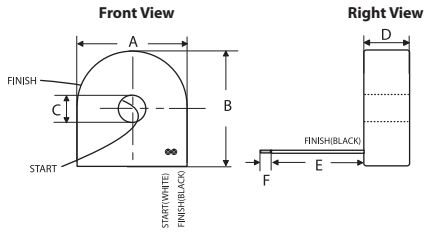


FIGURE 1

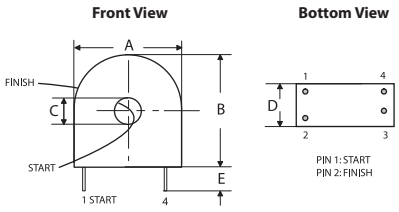


FIGURE 2

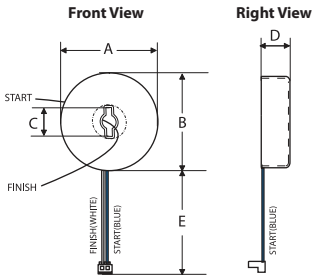


FIGURE 3

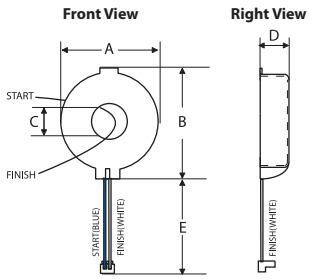


FIGURE 4

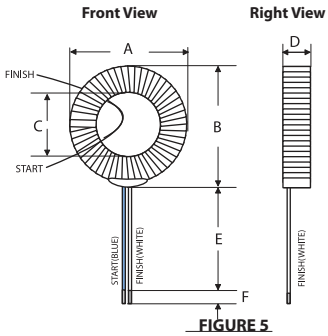


FIGURE 5

1. L & DCR tested at Ta=25℃
2. Turns tolerence is ± 1.0% typ
3. Operating Temperature Range: -40℃ to +85℃

Mechanical Specification

VV-6100 SERIES

Part Number	FIG.	A max. in/mm	B max. in/mm	C min. in/mm	D max in/mm	E nom. in/mm	F nom. in/mm
VV-6101	1	0.910/23.1	0.969/24.6	0.094/4.7	0.433/11.0	5.40/137.0	0.118/3.0
VV-6102	2	1.004/25.5	0.994/25.25	0.240/6.1	0.532/13.5	0.138/3.5	---
VV-6103	3	1.700/43.18	1.700/43.18	0.480/12.19	0.730/18.55	7.00/177.8	---
VV-6104	4	1.881/47.78	2.375/60.33	0.750/19.05	0.710/18.04	7.25/184.15	---
VV-6105	5	1.900/48.26	2.000/50.8	0.965/24.51	0.615/15.62	4.000/101.6	0.393/10.0

Special Features

- For energy metering on single and poly-phase electronic watt-hour meters.
- Available for class 2 and 3 per reactive energy IEC62053-23
- Accuracy class 0.5 and 0.2 as per ANSI C12.20 and IEC 62053-22 for AC transformers.
- AC capability 20,200,320,400 and 640 Amperes.
- Epoxy or tape wrapped coil protection

Electrical Specification

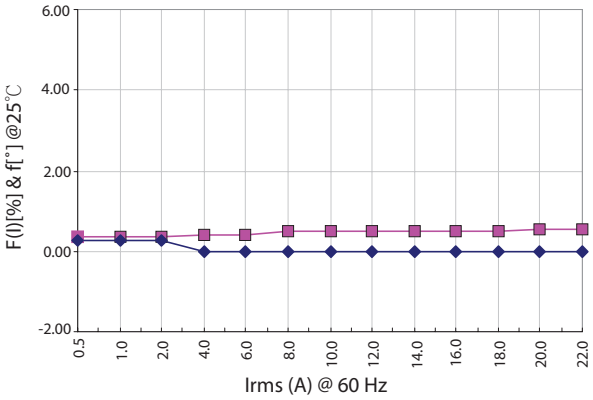
VV-6100 SERIES

Part Number	L(H)	Tol.	FREC. (Hz)	Turns Ratio	DCR (Ω) NOM.	Irms max (A)	Rb (ohms)
VV-6101	35.0	Min.	50	1:1500	46	20	30.0
VV-6102	238.0	±30%	50	1:2000	114	50	30.0
VV-6103	60.0	Min	120	1:2000	25	200	27.2
VV-6104	55.0	Min	120	1:2000	22	320	7.2
VV-6105	200.0	Min	60	1:4000	66	640	7.2

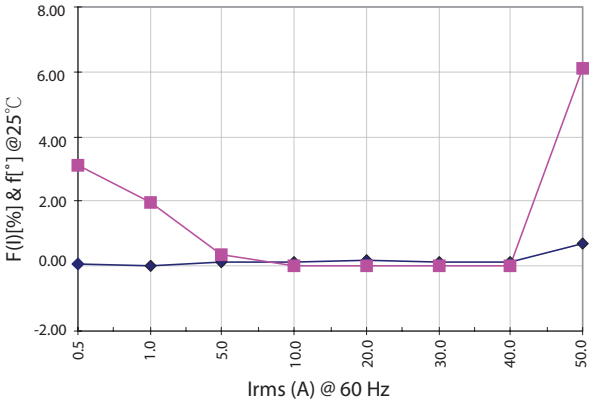
RoHS COMPLIANT

Linearity Amplitude & Phase Angle Error Bipolar

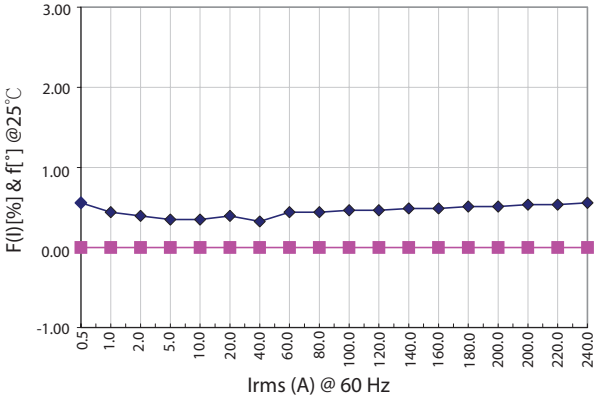
T6101



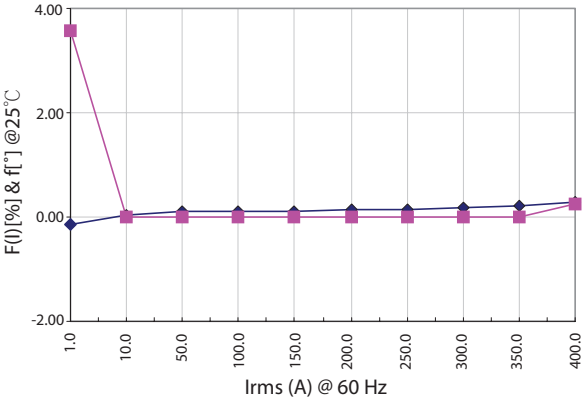
T6102



T6103



T6104



T6105