



Technical Data Sheet

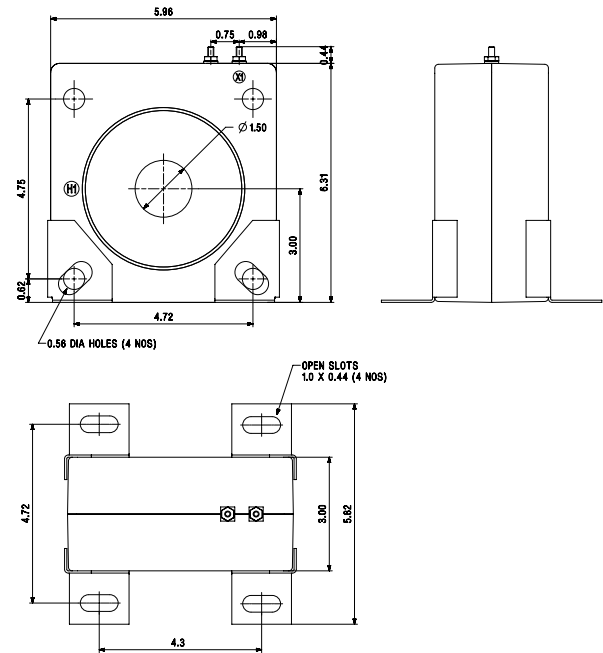
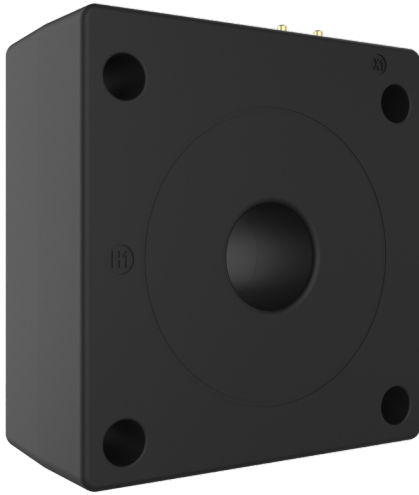
Omega ANSI Current Transformer Series



*Omega 30
296ASHT, 297ASHT, 298ASHT,
299ASHT, 300ASHT*



Omega 30 - 296ASHT

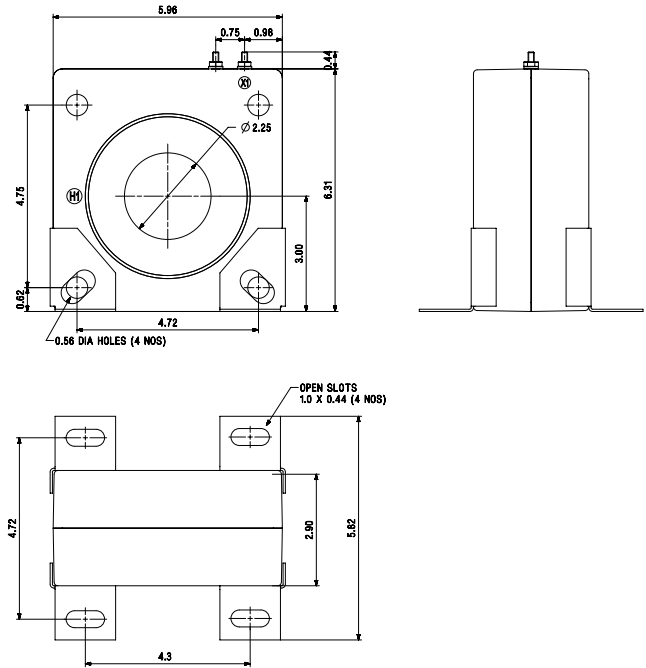
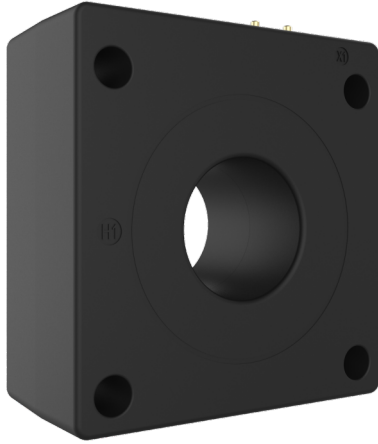


*All the mentioned dimensions are in inches

Current Ratio	Relay Class	ANSI METERING CLASS @ 60HZ					SECONDARY WINDING RESISTANCE (OHMS @ 75 °C)	Cont. Thermal RF	
		B0.1	B0.2	B0.5	B0.9	B1.8		@30 °C	@55 °C
50:5	C10	1.2	2.4	4.8	-	-	0.018	2.0	2.0
75:5	C10	0.6	1.2	2.4	4.8	-	0.027	2.0	2.0
100:5	C20	0.6	0.6	1.2	2.4	4.8	0.035	2.0	2.0
150:5	C20	0.3	0.3	0.6	1.2	2.4	0.053	2.0	2.0
200:5	C20	0.3	0.3	0.6	0.6	1.2	0.071	2.0	2.0
250:5	C50	0.3	0.3	0.3	0.3	0.6	0.121	2.0	2.0
300:5	C50	0.3	0.3	0.3	0.3	0.6	0.168	2.0	1.5
400:5	C50	0.3	0.3	0.3	0.3	0.3	0.224	2.0	1.5
500:5	C50	0.3	0.3	0.3	0.3	0.3	0.249	1.5	1.5
600:5	C100	0.3	0.3	0.3	0.3	0.3	0.298	1.5	1.33
750:5	C100	0.3	0.3	0.3	0.3	0.3	0.373	1.5	1.0
800:5	C100	0.3	0.3	0.3	0.3	0.3	0.398	1.5	1.0
1000:5	C100	0.3	0.3	0.3	0.3	0.3	0.447	1.33	1.0

Approximate weight: 18 lbs.

Omega 30 - 297ASHT

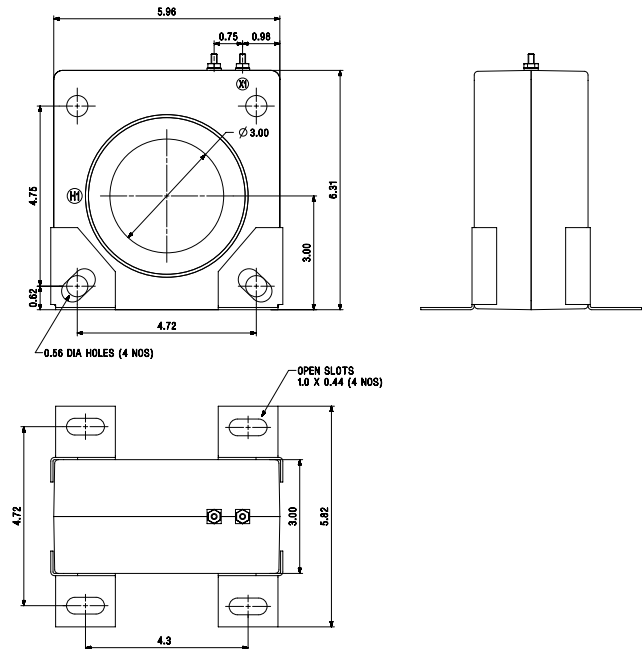
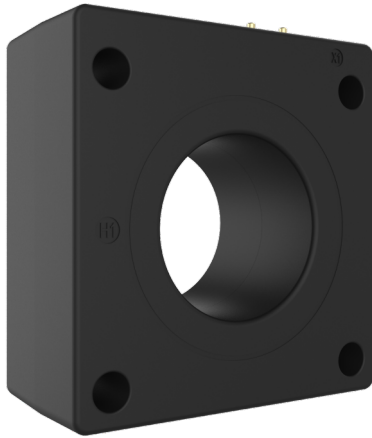


*All the mentioned dimensions are in inches

Current Ratio	Relay Class	ANSI METERING CLASS @ 60HZ					SECONDARY WINDING RESISTANCE (OHMS @ 75 °C)	Cont. Thermal RF	
		B0.1	B0.2	B0.5	B0.9	B1.8		@30 °C	@55 °C
50:5	-	2.4	4.8	-	-	-	0.015	2.0	2.0
75:5	C10	1.2	2.4	4.8	4.8	-	0.023	2.0	2.0
100:5	C10	0.6	1.2	2.4	4.8	4.8	0.051	2.0	2.0
150:5	C20	0.6	0.6	1.2	2.4	2.4	0.048	2.0	2.0
200:5	C20	0.3	0.6	0.6	1.2	2.4	0.103	2.0	2.0
250:5	C20	0.3	0.3	0.3	0.6	1.2	0.111	2.0	2.0
300:5	C50	0.3	0.3	0.3	0.6	1.2	0.154	2.0	1.5
400:5	C50	0.3	0.3	0.3	0.3	0.6	0.205	2.0	1.5
500:5	C50	0.3	0.3	0.3	0.3	0.3	0.233	2.0	1.5
600:5	C100	0.3	0.3	0.3	0.3	0.3	0.308	1.5	1.33

Approximate weight: 15 lbs.

Omega 30 - 298ASHT

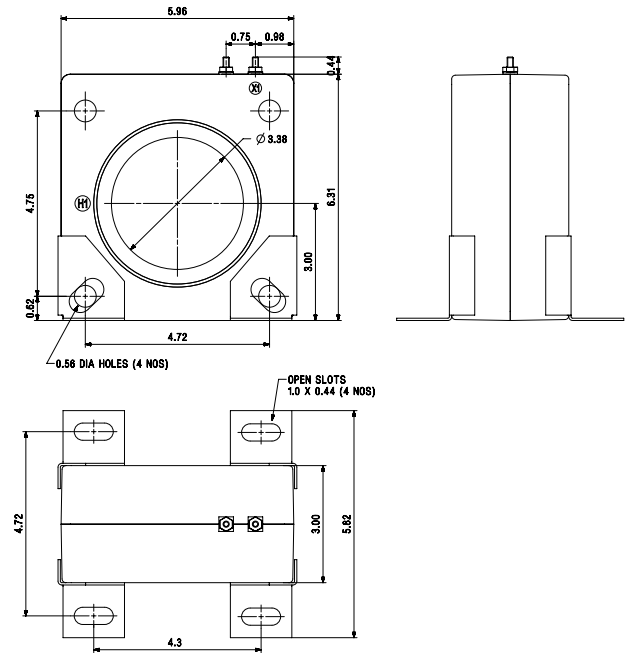
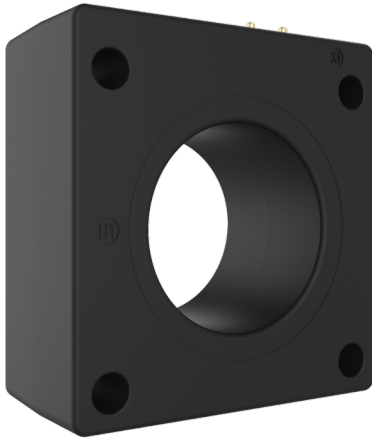


*All the mentioned dimensions are in inches

Current Ratio	Relay Class	ANSI METERING CLASS @ 60HZ					SECONDARY WINDING RESISTANCE (OHMS @ 75 °C)	Cont. Thermal RF	
		B0.1	B0.2	B0.5	B0.9	B1.8		@30 °C	@55 °C
50:5	-	2.4	4.8	-	-	-	0.023	2.0	2.0
75:5	-	1.2	1.2	4.8	-	-	0.028	2.0	2.0
100:5	C10	0.6	0.6	2.4	4.8	-	0.040	2.0	2.0
150:5	C10	0.6	0.6	1.2	2.4	4.8	0.060	2.0	2.0
200:5	C20	0.6	0.6	0.6	1.2	2.4	0.080	2.0	2.0
250:5	C20	0.3	0.3	0.6	1.2	2.4	0.073	2.0	2.0
300:5	C20	0.3	0.3	0.6	0.6	1.2	0.087	2.0	2.0
400:5	C20	0.3	0.3	0.3	0.3	0.6	0.186	2.0	1.5
500:5	C50	0.3	0.3	0.3	0.3	0.6	0.233	2.0	1.5
600:5	C50	0.3	0.3	0.3	0.3	0.3	0.279	1.5	1.33
750:5	C50	0.3	0.3	0.3	0.3	0.3	0.349	1.5	1.0
800:5	C50	0.3	0.3	0.3	0.3	0.3	0.372	1.5	1.0

Approximate weight: 12 lbs.

Omega 30 - 299ASHT

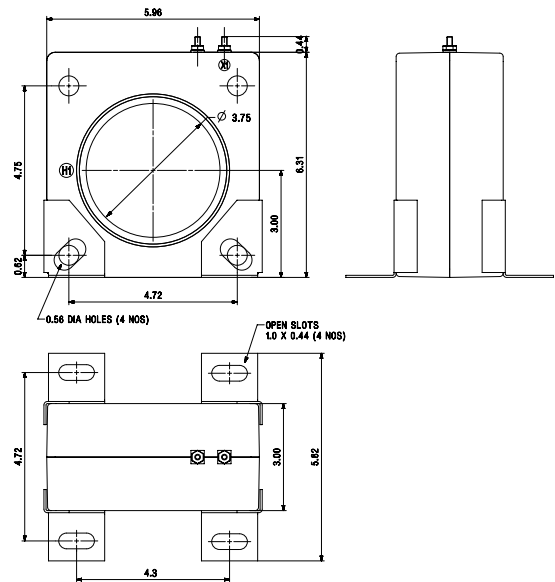
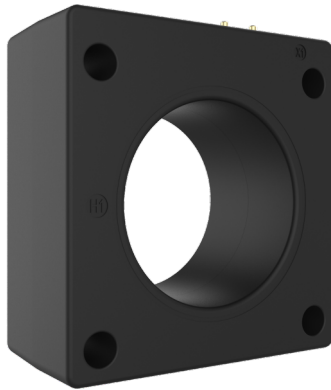


*All the mentioned dimensions are in inches

Current Ratio	Relay Class	ANSI METERING CLASS @ 60HZ					SECONDARY WINDING RESISTANCE (OHMS @ 75 °C)	Cont. Thermal RF	
		B0.1	B0.2	B0.5	B0.9	B1.8		@30 °C	@55 °C
50:5	-	4.8	4.8	-	-	-	0.022	2.0	2.0
75:5	-	1.2	2.4	4.8	-	-	0.028	2.0	2.0
100:5	C10	0.6	1.2	2.4	4.8	-	0.038	2.0	2.0
150:5	C10	0.6	0.6	1.2	2.4	4.8	0.057	2.0	2.0
200:5	C10	0.6	0.6	1.2	1.2	2.4	0.088	2.0	2.0
250:5	C20	0.3	0.3	0.6	1.2	2.4	0.098	2.0	2.0
300:5	C20	0.3	0.3	0.3	0.6	1.2	0.118	2.0	2.0
400:5	C20	0.3	0.3	0.3	0.6	0.6	0.177	2.0	1.5
500:5	C20	0.3	0.3	0.3	0.3	0.6	0.221	2.0	1.5
600:5	C50	0.3	0.3	0.3	0.3	0.3	0.265	1.5	1.33
750:5	C50	0.3	0.3	0.3	0.3	0.3	0.331	1.5	1.0
800:5	C50	0.3	0.3	0.3	0.3	0.3	0.353	1.5	1.0

Approximate weight: 10 lbs.

Omega 30 - 300ASHT



*All the mentioned dimensions are in inches

Current Ratio	Relay Class	ANSI METERING CLASS @ 60HZ					SECONDARY WINDING RESISTANCE (OHMS @ 75 °C)	Cont. Thermal RF	
		B0.1	B0.2	B0.5	B0.9	B1.8		@30 °C	@55 °C
50:5	-	2.4	4.8	-	-	-	0.012	2.0	2.0
75:5	-	2.4	2.4	-	-	-	0.019	2.0	2.0
100:5	-	2.4	2.4	2.4	-	-	0.026	2.0	2.0
150:5	-	0.6	0.6	2.4	2.4	4.8	0.054	2.0	2.0
200:5	C10	0.6	0.6	1.2	2.4	4.8	0.072	2.0	2.0
250:5	C10	0.3	0.6	1.2	1.2	2.4	0.104	2.0	2.0
300:5	C10	0.3	0.3	0.3	0.6	1.2	0.108	2.0	2.0
400:5	C20	0.3	0.3	0.3	0.6	1.2	0.144	2.0	1.5
500:5	C20	0.3	0.3	0.3	0.6	0.6	0.209	2.0	1.5
600:5	C20	0.3	0.3	0.3	0.3	0.6	0.251	1.5	1.33
750:5	C20	0.3	0.3	0.3	0.3	0.3	0.329	1.5	1.0
800:5	C50	0.3	0.3	0.3	0.3	0.3	0.334	1.5	1.0
1000:5	C50	0.3	0.3	0.3	0.3	0.3	0.418	1.33	1.0
1200:5	C10	0.3	0.3	0.3	0.3	0.3	0.425	1.33	1.0
1500:5	C10	0.3	0.3	0.3	0.3	0.3	0.531	1.0	1.0
1600:5	C10	0.3	0.3	0.3	0.3	0.3	0.567	1.0	0.8
2000:5	C20	0.3	0.3	0.3	0.3	0.3	0.708	1.0	0.8

Approximate weight: 9 lbs.

Omega 30 - 296ASHT, 297ASHT, 298ASHT,
299ASHT, 300ASHT

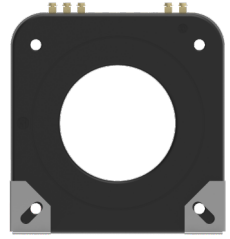
Specification

- FREQUENCY : 50 -400 Hz
- INSULATION LEVEL : 600 Volts. 10kV BIL. full wave
- WINDOW : 1.50", 2.25", 3.0",3.38", 3.75"
- APROXIMATE WEIGHT : 18, 15, 12, 10, 9 lbs
- CONNECTIONS :
 - Terminals are brass studs No. 8-32 UNC with one flat washer, lockwasher, and regular nut
 - Multi-ratios available upon request
 - Mounting kit (On Request)

Application

- APPLICATION : Metering

Product Mounting Kit

Sr No	Model Name	Item Code	Actual Product
1	296-300	X96A-0A00-0001	

Sifam Tinsley Instrumentation Inc.

Address: 2105 Barrett Park Dr, Unit 105, Kennesaw, GA 30144

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