

MODEL 687

Current Transformer

Window Diameter 7.62"



REGULATORY AGENCY APPROVALS



Manufactured to meet the requirements of ANSI/IEEE C57.13.
Classified by U.L. in accordance with IEC 44-1

Application

Relaying and metering.

Frequency

50-400 Hz.

Insulation Level

0.6 kV, BIL 10 kV full wave.

Continuous Thermal Current Rating Factor

50:5 thru 2,000:5: 2.0 at 30°C. amb., 1.5 at 55°C. amb.
2,500:5 thru 3,500:5: 1.33 at 30°C. amb., 1.0 at 55°C. amb.
4,000:5: 1.0 at 30°C. amb., 0.75 at 55°C. amb.

Secondary terminals are brass screws No. 10-32 with one flatwasher and lockwasher.

Multi-ratios available on request. Consult Factory.

Approximate weight 55 lbs

Model 687

CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 60 Hz					SECONDARY WINDING RESISTANCE (Ω @ 75°C)
			B0.1	B0.2	B0.5	B0.9	B1.8	
687-500	50:5	C10	4.8	-	-	-	-	0.018
687-750	75:5	C15	2.4	4.8	-	-	-	0.027
687-101	100:5	C20	2.4	2.4	4.8	-	-	0.036
687-151	150:5	C35	1.2	1.2	2.4	4.8	4.8	0.055
*687-201	200:5	C50	0.6	1.2	1.2	2.4	4.8	0.073
*687-251	250:5	C70	0.6	0.6	1.2	1.2	2.4	0.091
*687-301	300:5	C90	0.3	0.6	0.6	1.2	2.4	0.109
*687-351	350:5	C100	0.3	0.3	0.6	1.2	1.2	0.127
*687-401	400:5	C120	0.3	0.3	0.3	0.6	1.2	0.146
*687-501	500:5	C150	0.3	0.3	0.3	0.6	0.6	0.182
*687-601	600:5	C200	0.3	0.3	0.3	0.6	0.6	0.218
*687-751	750:5	C230	0.3	0.3	0.3	0.6	0.6	0.273
*687-801	800:5	C250	0.3	0.3	0.3	0.3	0.3	0.291
*687-102	1,000:5	C300	0.3	0.3	0.3	0.3	0.3	0.446



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Model 687 (Cont'd)

CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 60 Hz					SECONDARY WINDING RESISTANCE (Ω @ 75°C)
			B0.1	B0.2	B0.5	B0.9	B1.8	
*687-122	1,200:5	C400	0.3	0.3	0.3	0.3	0.3	0.535
*687-152	1,500:5	C440	0.3	0.3	0.3	0.3	0.3	0.669
*687-162	1,600:5	C450	0.3	0.3	0.3	0.3	0.3	0.714
*687-202	2,000:5	C450	0.3	0.3	0.3	0.3	0.3	0.832
*687-252	2,500:5	C550	0.3	0.3	0.3	0.3	0.3	1.040
*687-302	3,000:5	C800	0.3	0.3	0.3	0.3	0.3	1.248
*687-352	3,500:5	C800	0.3	0.3	0.3	0.3	0.3	1.827
*687-402	4,000:5	C800	0.3	0.3	0.3	0.3	0.3	2.617

Approved for revenue metering by Industry Canada No. AE-0645(*)

