Crompton TECHNOLOGY

Current Transformer

Model 786MR
rev 03182021



APPLICATION:
Relaying and metering

FREQUENCY:
50-400 Hz.

INSULATION LEVEL:
600 Volts. 10 kV BIL. Full wave

CONTINUOUS THERMAL CURRENT RATING FACTOR:
2.0 at 30°c amb., 1.5 at 55°c amb

WINDOW DIAMETER:
6.5"

APPROXIMATE WEIGHT:
58lbs.

CONNECTIONS:
-Secondary terminals are brass studs No. 10-32 with one flat washer, lockwasher, and regular nut

Model	786MR
Window Size	6.50
Width	9.88
Height	9.88
Depth	6.75

CERTIFICATIONS:

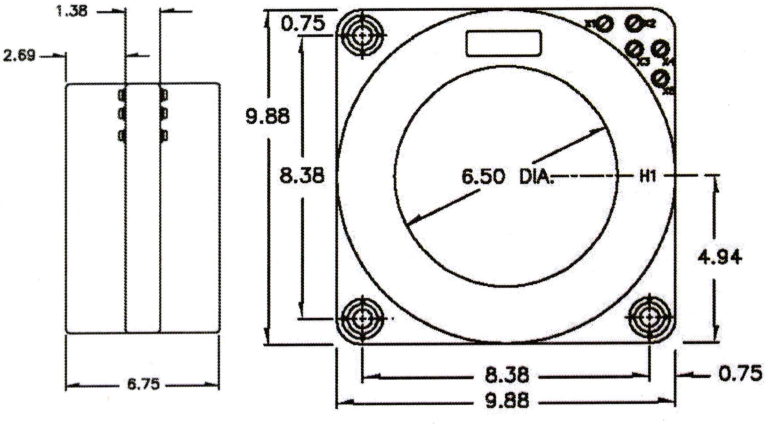
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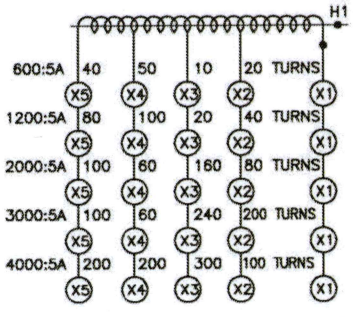
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nqa.
ISO 9001
QUALITY MANAGEMENT

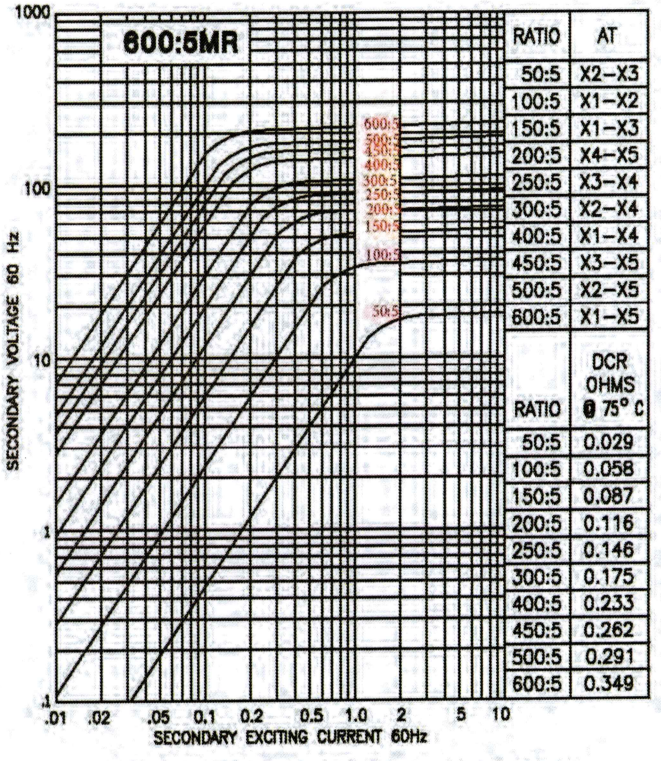
MODEL 786MR
Window Diameter 6.5"
Approximate weight: 58 lbs.

Catalog Number	Relay Class	ANSI Metering Class at 60Hz	Continuous Thermal @ 30°C	Continuous Thermal @ 50°C
786-601MR	C200	0.6 B0.9	2.0	1.5
786-122MR	C400	0.3 B1.8	2.0	1.5
786-202MR	C400	0.3 B1.8	2.0	1.5
786-302MR	C400	0.3 B1.8	1.33	1.0
786-402MR	C400	0.3 B1.8	1.33	1.0





EXCITATION CURVE



RATIO	AT
50:5	X2–X3
100:5	X1–X2
150:5	X1–X3
200:5	X4–X5
250:5	X3–X4
300:5	X2–X4
400:5	X1–X4
450:5	X3–X5
500:5	X2–X5
600:5	X1–X5

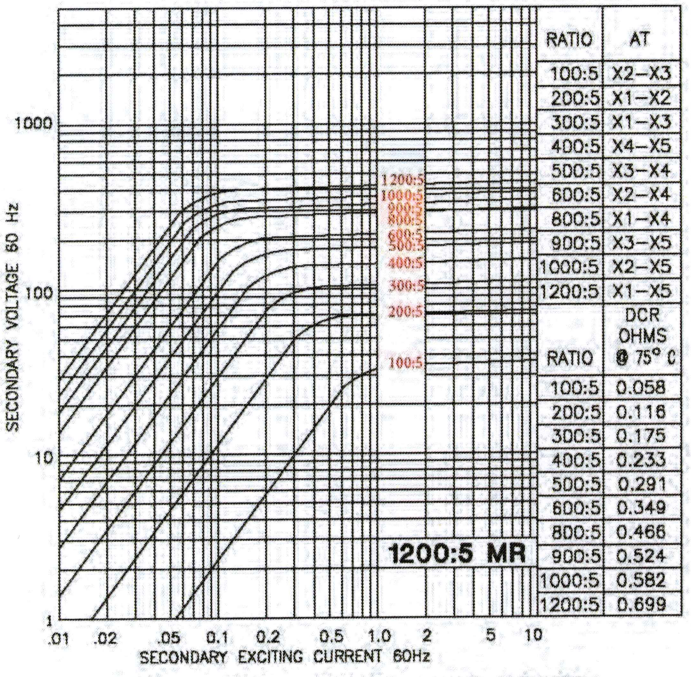
RATIO	DCR OHMS @ 75° C
50:5	0.029
100:5	0.058
150:5	0.087
200:5	0.116
250:5	0.146
300:5	0.175
400:5	0.233
450:5	0.262
500:5	0.291
600:5	0.349

MODEL 786 - 601MR - rating C200

Products are manufactured in a plant whose quality management system has been certified to be in compliance with ISO 9001:2015 by NQA

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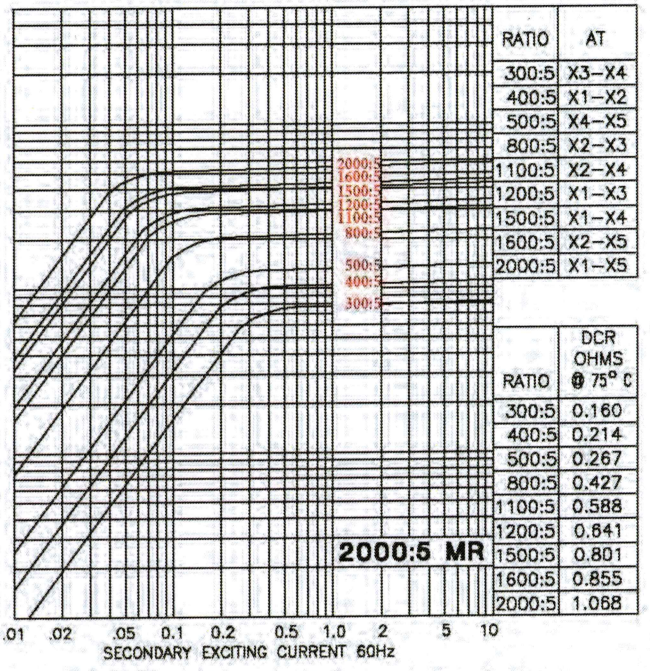
EXCITATION CURVE



RATIO	AT
100:5	X2–X3
200:5	X1–X2
300:5	X1–X3
400:5	X4–X5
500:5	X3–X4
600:5	X2–X4
800:5	X1–X4
900:5	X3–X5
1000:5	X2–X5
1200:5	X1–X5

RATIO	DCR OHMS @ 75° C
100:5	0.058
200:5	0.116
300:5	0.175
400:5	0.233
500:5	0.291
600:5	0.349
800:5	0.466
900:5	0.524
1000:5	0.582
1200:5	0.699

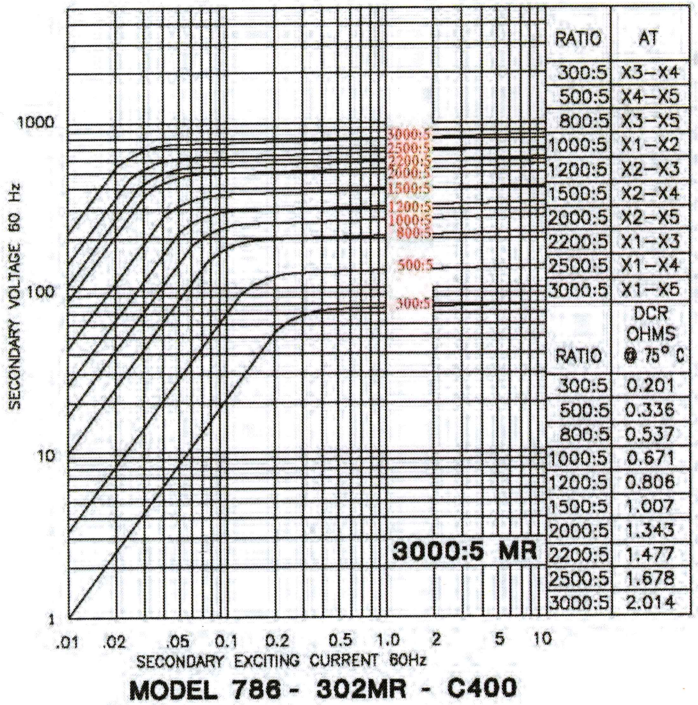
MODEL 786 - 122MR - rating C400



RATIO	AT
300:5	X3–X4
400:5	X1–X2
500:5	X4–X5
800:5	X2–X3
1100:5	X2–X4
1200:5	X1–X3
1500:5	X1–X4
1600:5	X2–X5
2000:5	X1–X5

RATIO	DCR OHMS @ 75° C
300:5	0.160
400:5	0.214
500:5	0.267
800:5	0.427
1100:5	0.588
1200:5	0.641
1500:5	0.801
1600:5	0.855
2000:5	1.068

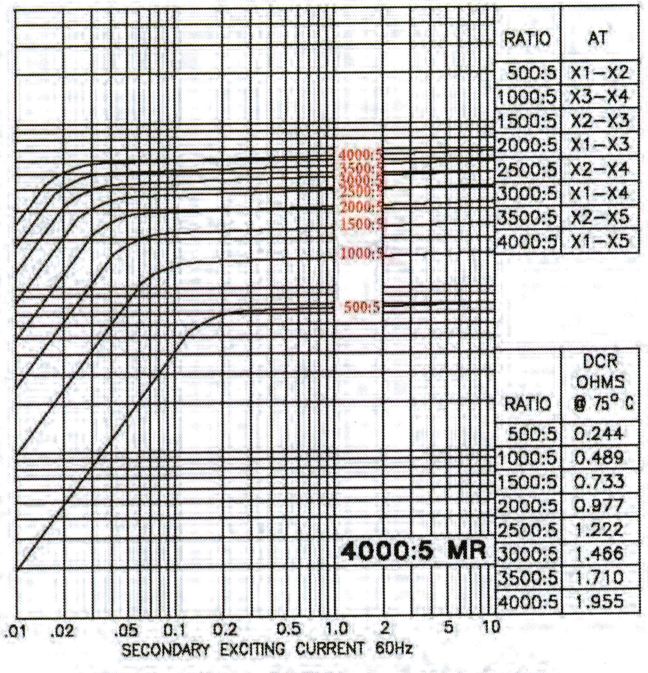
MODEL 786 - 202MR - rating C400



RATIO	AT
300:5	X3–X4
500:5	X4–X5
800:5	X3–X5
1000:5	X1–X2
1200:5	X2–X3
1500:5	X2–X4
2000:5	X2–X5
2200:5	X1–X3
2500:5	X1–X4
3000:5	X1–X5

RATIO	DCR OHMS @ 75° C
300:5	0.201
500:5	0.336
800:5	0.537
1000:5	0.671
1200:5	0.806
1500:5	1.007
2000:5	1.343
2200:5	1.477
2500:5	1.678
3000:5	2.014

MODEL 786 - 302MR - C400



RATIO	AT
500:5	X1–X2
1000:5	X3–X4
1500:5	X2–X3
2000:5	X1–X3
2500:5	X2–X4
3000:5	X1–X4
3500:5	X2–X5
4000:5	X1–X5

RATIO	DCR OHMS @ 75° C
500:5	0.244
1000:5	0.489
1500:5	0.733
2000:5	0.977
2500:5	1.222
3000:5	1.466
3500:5	1.710
4000:5	1.955

MODEL 786 - 402MR - rating C400