



Westinghouse Electric Corporation
Switchgear Division
East Pittsburgh, Pa. 15112

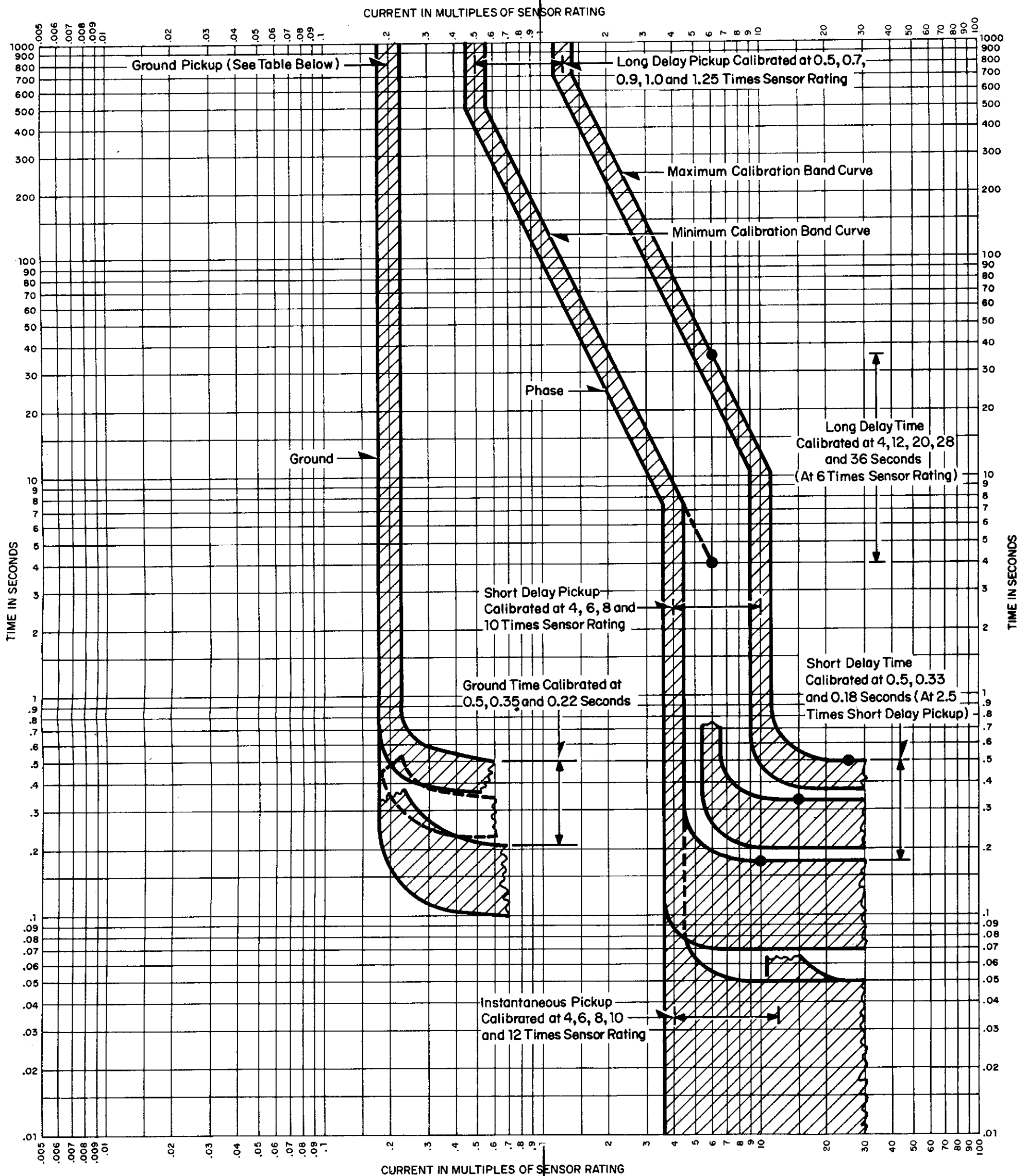
32-860 A WE A
Application Data

April, 1976
Supersedes Application
Data 33-760-B, dated
September, 1969
E, C/1989/DB

Characteristic Curves for Type DS and DSL Circuit Breakers

This envelope contains the following curves:

Curve No. 666921 – Amptector I
Curve No. 666600 – Amptector II
Curve No. 639771 – DSL-206 Limiters – Average Melt Time
Curve No. 639431 – DSL-416 Limiters – Average Melt Time
Curve A DSL-632 and DSL-840 Limiters – Average Melt Time
Curve No. 639772 – DSL-206 Limiters – Let-Through Current Characteristics
Curve No. 639432 – DSL-416 Limiters – Let-Through Current Characteristics
Curve B DSL-632 and DSL-840 Limiters – Let-Through Current Characteristics

**Amptector I**

Ground Pick-Up Value—Amperes															Secondary Current (1)
Dial Setting	50	100	150	200	300	400	600	800	1200	1600	2000	2400	3200	4000	
A	13	57	60	85	80	110	145	180	260	330	400	530	640	800	1.0
B	18	67	75	85	110	150	205	260	385	505	600	770	1000	1200	1.5
C	22	75	85	100	130	185	250	325	480	625	760	960	1200	N.A.	1.9
D	33	100	120	145	200	270	385	500	730	970	1200	N.A.	N.A.	N.A.	3.0

All pick up values may vary $\pm 10\%$

① Current of this value from the secondary of an external ground transformer will cause the ground element to function. Ground element pick-up can also be tested using this value. All sensors must be disconnected during test.

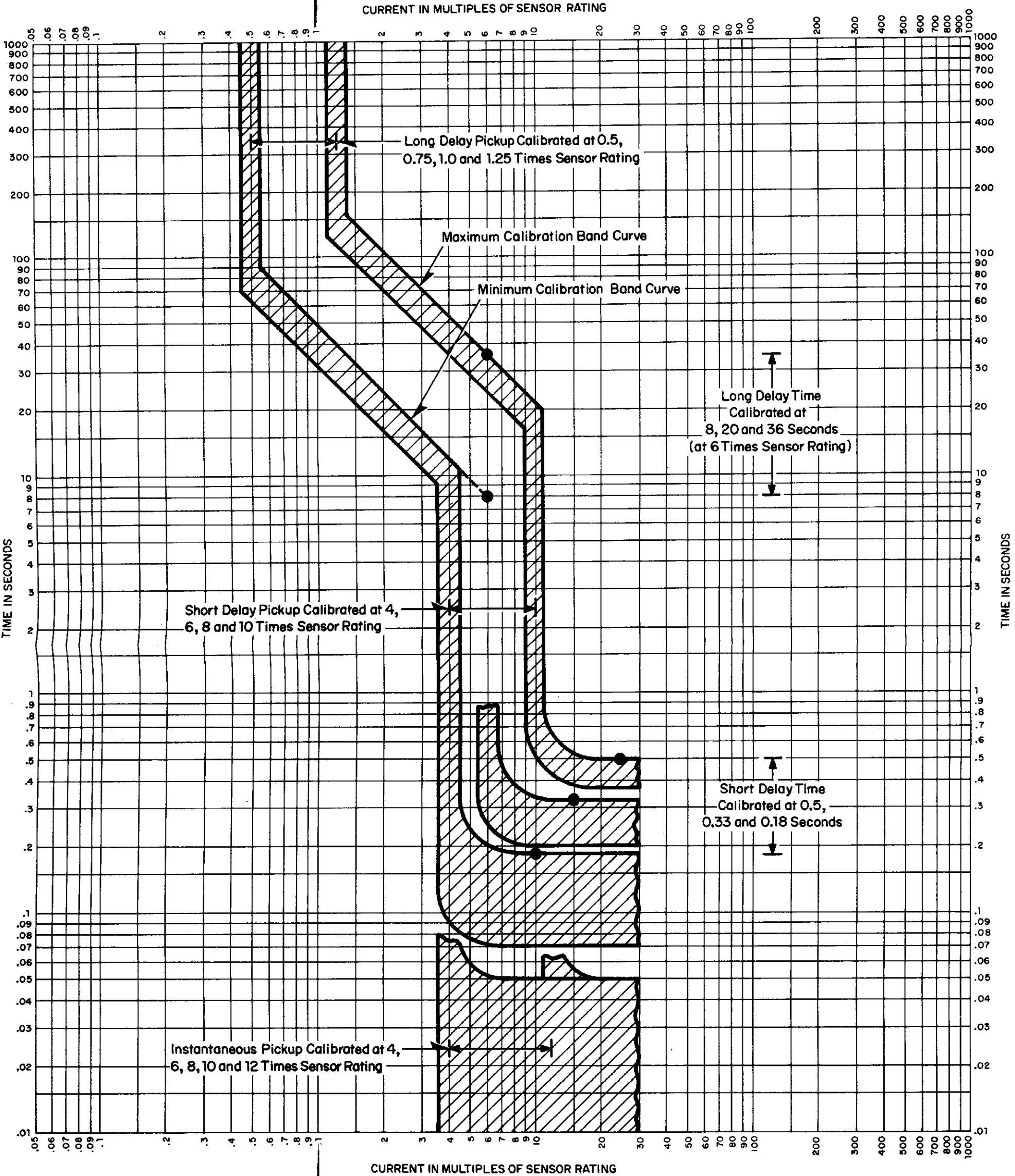
Amptector I**Time - Current Characteristics**

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Curve No. 666921

New Information

April, 1976



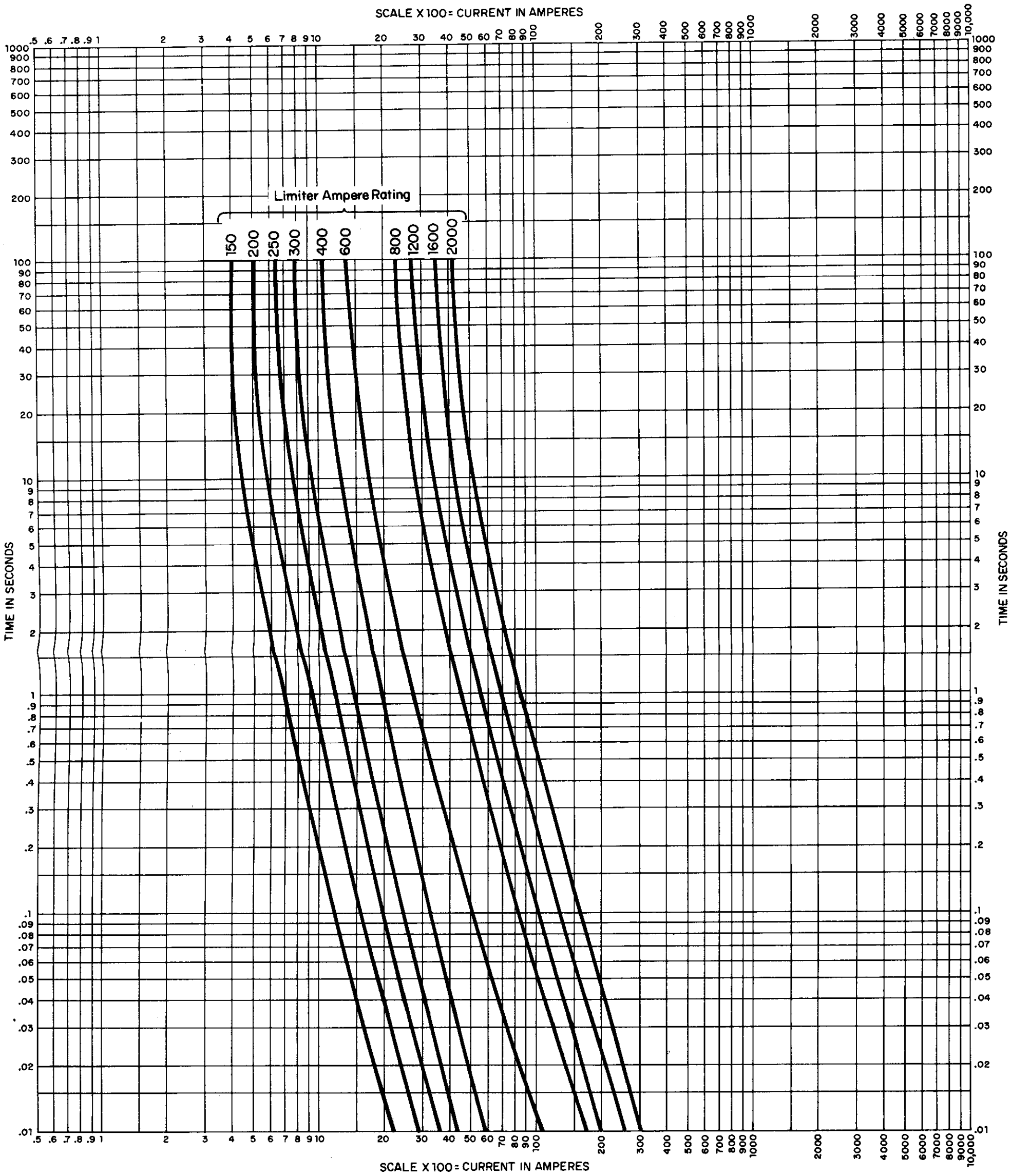
Amptector II
Time - Current Characteristics

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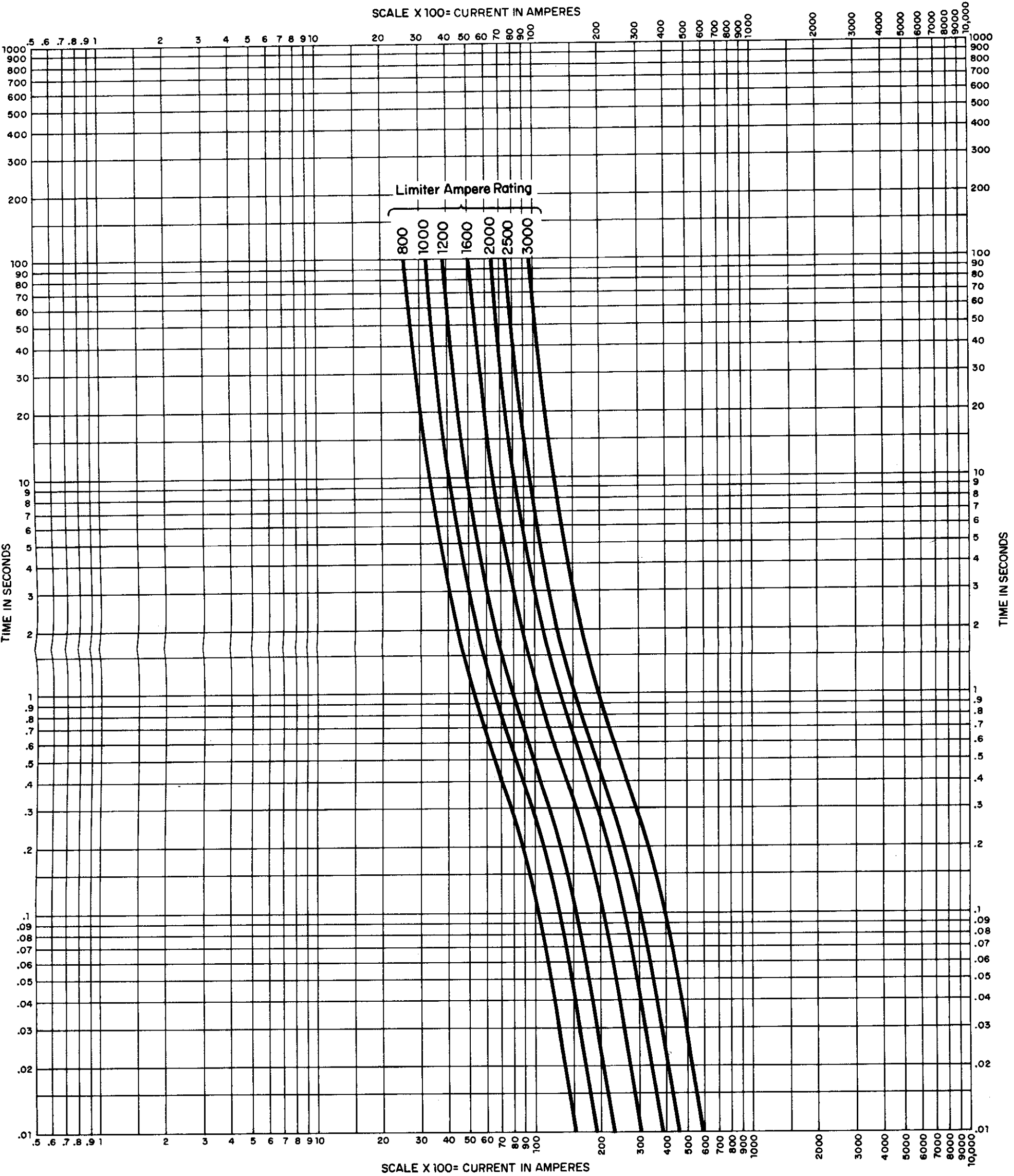
Curve No. 666600

New Information

April, 1976

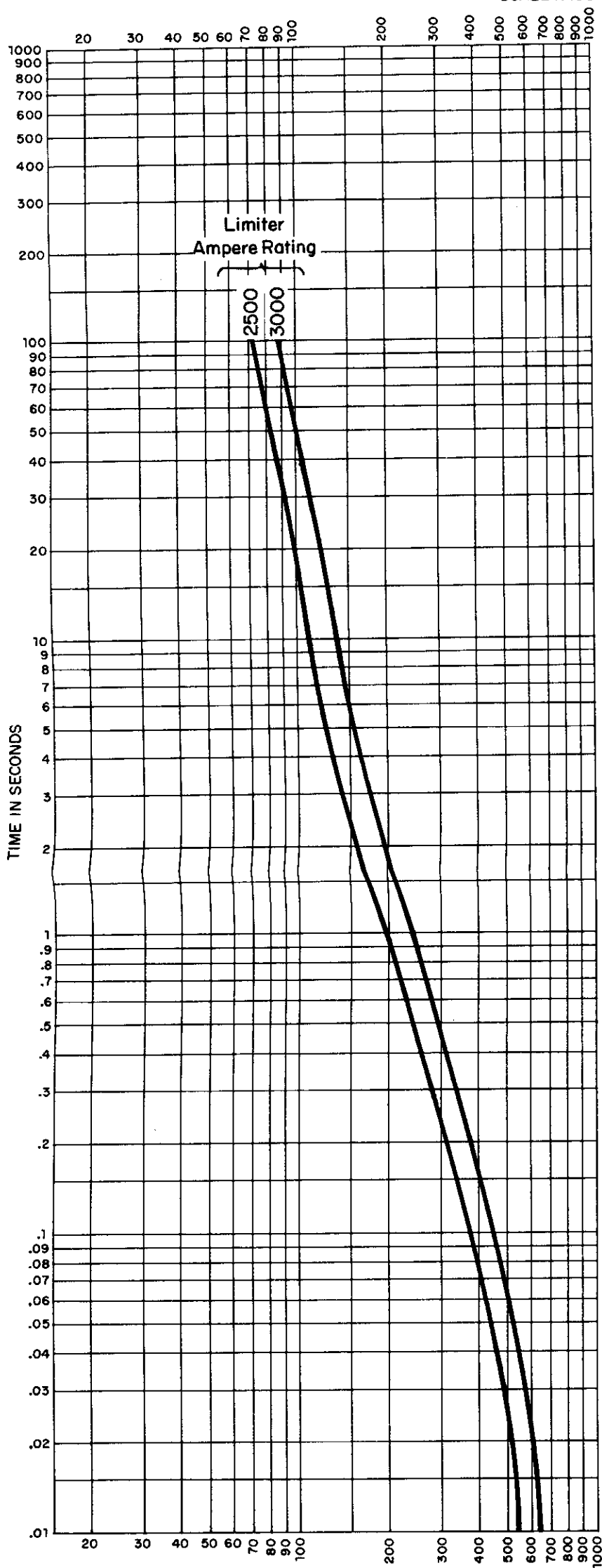


Type DSL-206 Limiters
Average Melting Time - Current Characteristics

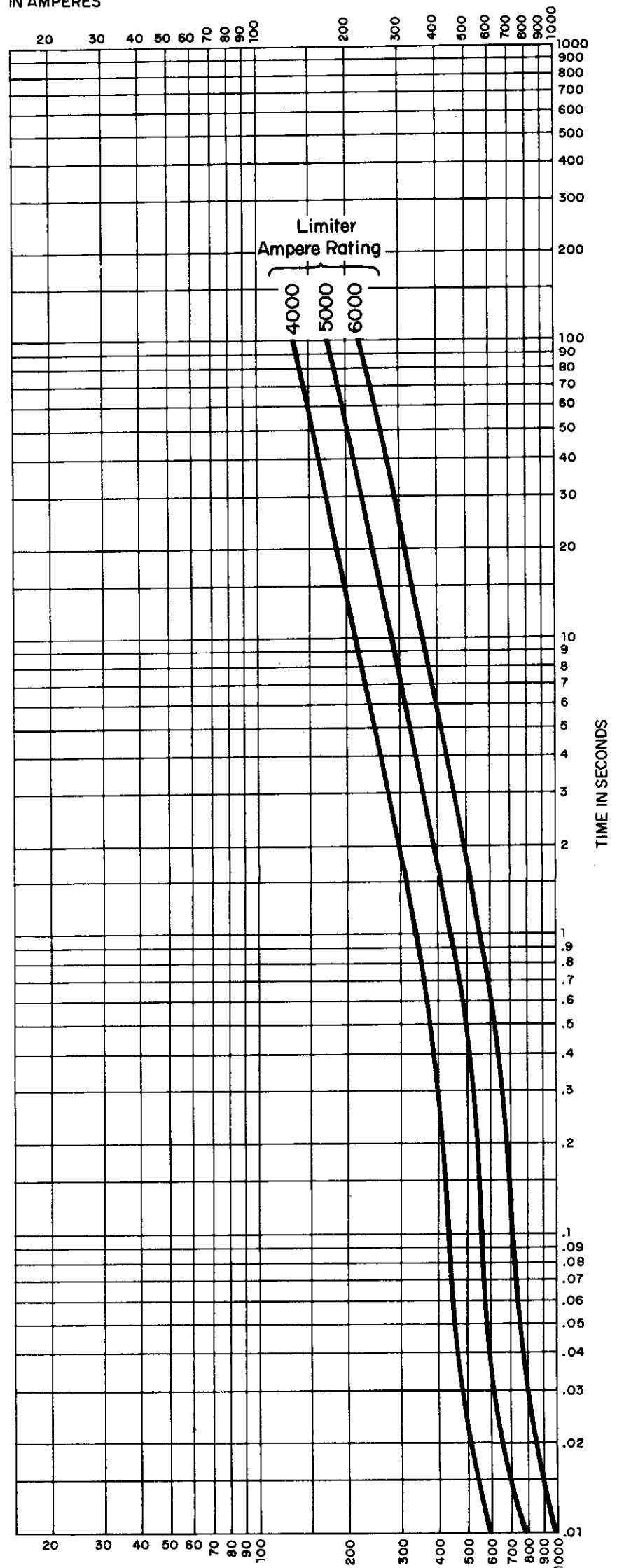


Type DSL-416 Limiters
Average Melting Time - Current Characteristics

SCALE X 100 = CURRENT IN AMPERES



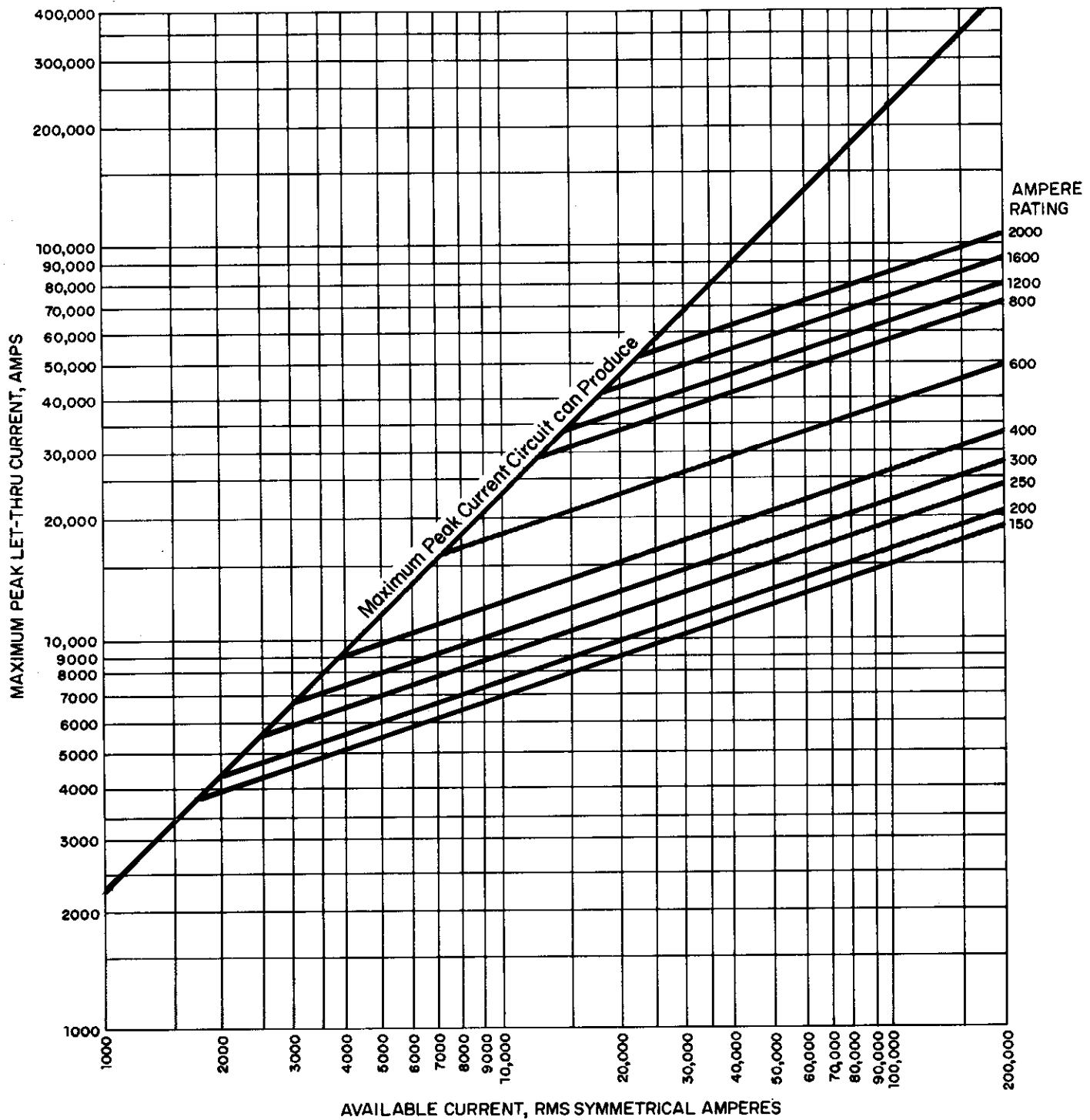
SCALE X 100 = CURRENT IN AMPERES



Type DSL-632 and DSL-840 Limiters Average Melting Time - Current Characteristics

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Curve No. A
New Information
April, 1976



Type DSL 206 Limiters

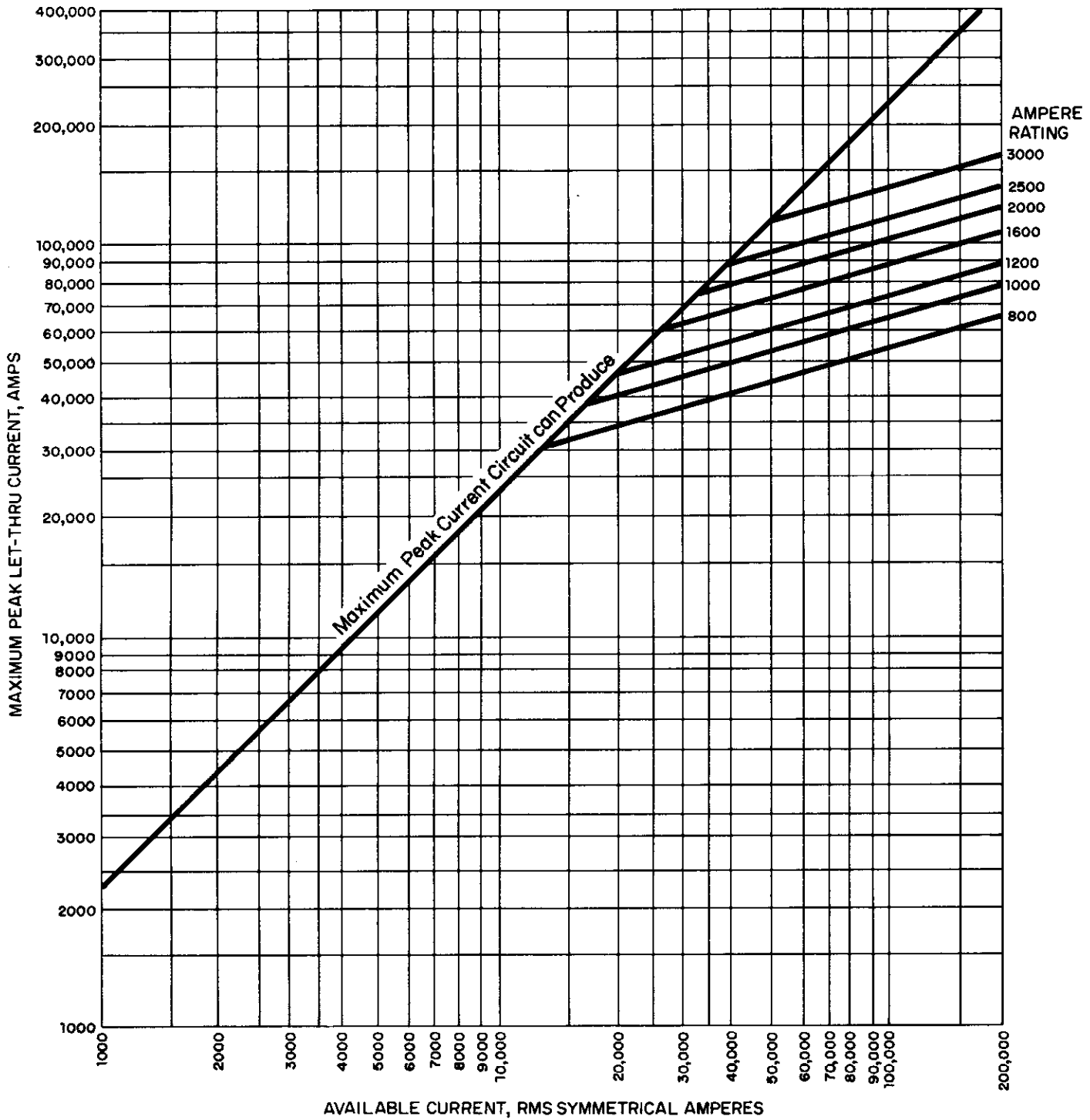
Let-Through Characteristics

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Curve No. 639772

New Information

April, 1976



Type DSL-416 Limiters

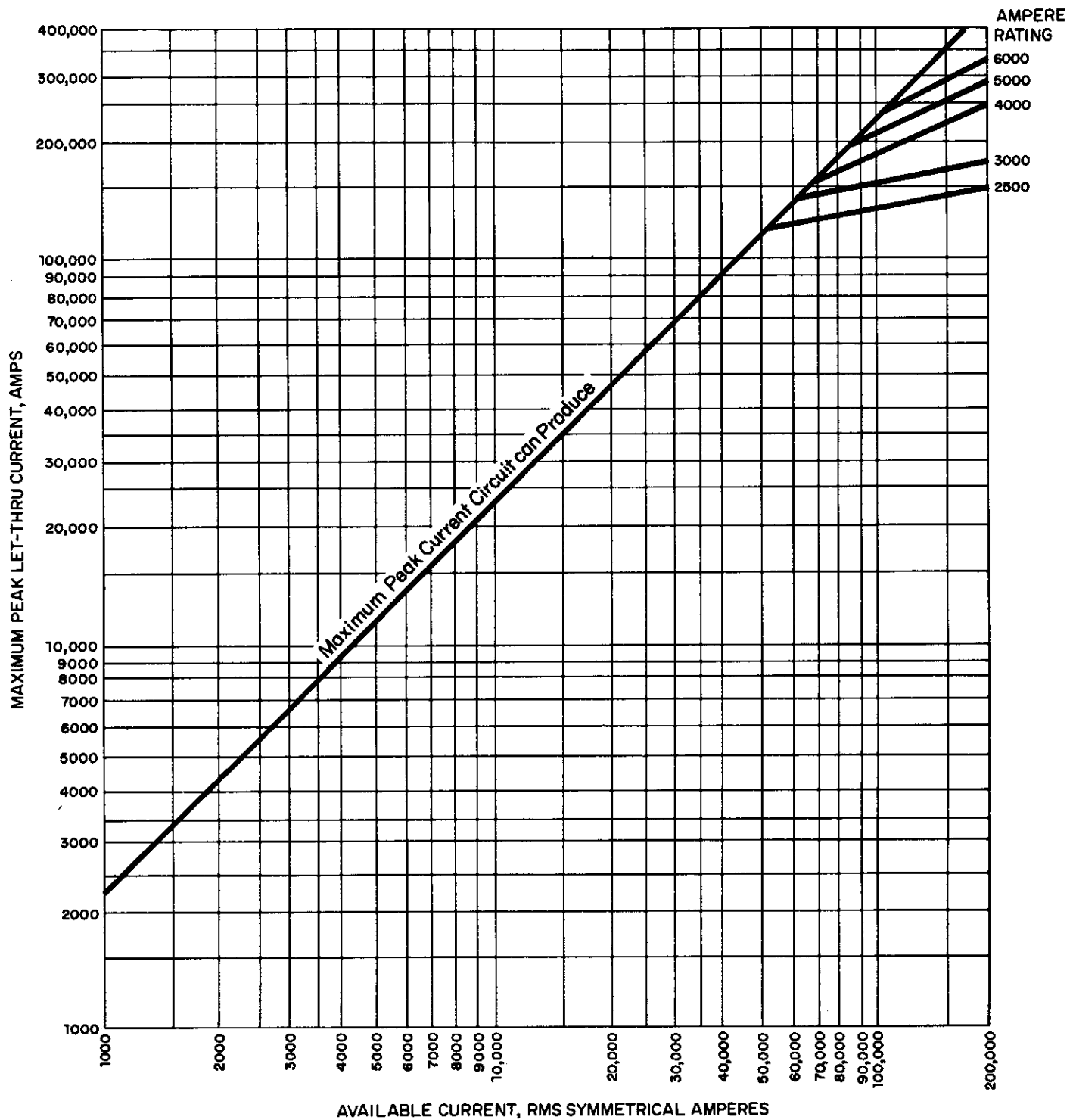
Let-Through Characteristics

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Curve No. 639432

New Information

April, 1976



Type DSL-632 and DSL-840 Limiters

Let-Through Characteristics

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Curve No. B
New Information
April, 1976