



ELECTRONIC TUBE REFERENCE

AG5005

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

AEG indirectly heated mercury-vapor hot-cathode half-wave rectifier for high-power industrial supplies, providing very high current with low arc voltage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 20 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
MAXIMUM CATHODE CURRENT	12 A
PEAK INVERSE VOLTAGE	20000 V
NOMINAL OUTPUT CURRENT	12 A
PEAK FORWARD CURRENT	40 A
FORWARD VOLTAGE DROP	15 V
WARM-UP TIME	600 s
Explicit new designation of G2040I from approved source.	

New type designation printed on the G 20/40i sheet for the same indirectly heated mercury-vapour rectifier.

SOURCE OPERATING CONDITIONS

1953 AEG

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1953 AEG

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	5 V	—
Filament current	20 A	—
Peak inverse voltage	20 kV	—
Peak anode current	40 A	—
Average anode current	12 A	—