

# TECHNICAL DATA

11F3

## Sylvania

TYPE 11F3

MEDIUM MU TRIODE

### RATINGS AND CHARACTERISTICS

Maximum Filament Voltage		
Battery Operation, must never exceed	1.6	Volts
Design Center for AC-DC Power Line Operation	1.3	Volts
Maximum Plate Voltage	110	Volts
Maximum Grid Current at -3 Volts	0.1	ua.
Direct Interelectrode Capacitances: <sup>o</sup>		
Grid to Plate	1.7	umf.
Input	1.7	umf.
Output	3.0	umf.

<sup>o</sup>With 1 5/16" diameter shield (RMA Std. M3-308) connected to negative filament.

### TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

Filament Voltage	1.4	1.4	Volts
Filament Current	50	50	Ma.
Plate Voltage	90	90	Volts
Grid Voltage <sup>1/2</sup>	0	-3	Volts
Plate Current	4.5	1.4	Ma.
Plate Resistance	11,200	19,000	Ohms
Mutual Conductance	1300	760	umhos
Amplification Factor	14.5	14.5	

<sup>1/2</sup>Negative filament return to Pin No. 8.

### CIRCUIT APPLICATION

Sylvania Type 11F3 is a lock-in triode having the same characteristics as Type 11E3, to which reference should be made for curves and resistance coupled amplifier data.

It is intended for applications critical for grid current.

### PHYSICAL SPECIFICATIONS

Style	Lock-In
Base	Lock-In 8-Pin
Bulb	T-9
Diameter	1 3/16" Max.
Seated Height	2 1/4" Max.
Overall Length	2 25/32" Max.
Mounting Position	Any

### BASE PIN CONNECTIONS

Pin 1 - Positive Filament
Pin 2 - Plate
Pin 3 - No Connection
Pin 4 - No Connection
Pin 5 - Internal Connection
Pin 6 - Grid
Pin 7 - No Connection
Pin 8 - Negative Filament

RMA Basing 4AA-L-0

3/26/48

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from RMA release # 648, April 10, 1948