



FEATURES

- Tuned Distribution Amplifier
- IF Frequency from 21.4 to 400 MHz
- 4 or 8 Outputs
- Bandwidth Limiting Filters for Intermod Suppression

DESCRIPTION

The Model 655 IF Distribution Amplifier provides a convenient means of distributing receiver IF signals to processing equipment. The amplifiers cover the IF spectrum from 21.4 MHz to 400 MHz, and are available with up to eight outputs. Band limiting IF filters, which suppress spurious intermods, are provided. Front panel LED indicators display "Overload" and "Signal Present" conditions.

The Model 655 is housed in a half-rack 1-3/4 inches high chassis. Rack adapters are available which permit independent side-by-side operation of two units in a standard EIA 19-inch equipment rack. Exceptional EMI/RFI integrity is provided.

SPECIFICATIONS

IF Input Frequency	21.4 to 400 MHz (User specified)
Bandwidth	25%, nominal
Shape Factor (40 dB/3 dB)	≤ 3
Number of Inputs	One
Number of Outputs	4 or 8
Impedance—Input and Output	50 ohms
VSWR at Fc— Input and Output	1.5:1
Noise Figure at Fc	9 dB, nominal
Gain at Fc	0 dB, nominal
Gain Flatness	±1 dB
Compression Point (1 dB)	≤ +5 dBm (Input)

2nd Order Input Intercept Point	+40 dBm
3rd Order Input Intercept Point	+25 dBm
LED Indicators	Overload, Signal Present
Connectors— rear panel	BNC
Power	115/230 Vac, 47-63 Hz, 8 W
Temperature— Operating	0° to 50°C
Style	Half-rack chassis, 1-3/4 inches high by 20 inches deep, EIA rack adapter available.
Weight	10 lbs.

Specifications are subject to change without notice.

ORDERING INFORMATION

A standard Model 655 IF Distribution Amplifier provides one input for an input frequency from 21.4 to 400 MHz. The input frequency must be specified (Option F01) and the number of outputs must be selected from the options list below. When ordering, please specify:

655	IF Distribution Amplifier	Option Y08	8 Outputs
Option Y04	4 Outputs	Option F01	IF Filter (show input frequency)

Rack Mounting: Single units of the Model 655 IF Distribution Amplifier must be mounted using a Model 697-1 Rack Adapter. For side-by-side installation, two units can be fastened together and mounted as a single full-rack unit.

697-1	Rack Adapter, single units
-------	----------------------------

WARRANTY

All of Reaction Instruments' equipment is warranted for one year, except for damage caused by accident or misuse, provided the equipment is returned for repair to the plant in Herndon, VA.

Adams Russell
REACTION INSTRUMENTS, INC.
475 Springpark Place, Herndon, VA 22070
(703) 471-6060 FAX (703) 471-4847

DECEMBER 1988