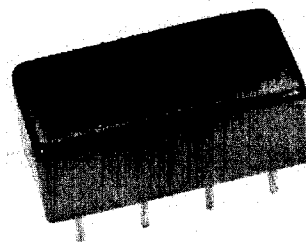




MODEL FM-105

PLUG-IN FREQUENCY DOUBLER 20-1500 MHz OUTPUT

Relay Header Case
Multioctave Frequency Coverage
Midband Conversion Loss — 12 dB
Typical Input VSWR — Less Than 1.8



Guaranteed Specifications*

(From -55°C to +85°C)

Frequency Range		
Input	10-750 MHz	
Output	20-1500 MHz	
Conversion Loss	10-500 MHz	14.5 dB Max
	500-750 MHz	15.5 dB Max
Spurious (Referred to Output F ₂ Level)		
F ₁	10-100 MHz	25 dB Min
	100-300 MHz	20 dB Min
	300-500 MHz	15 dB Min
	500-750 MHz	10 dB Min
F ₃	30-300 MHz	35 dB Min
	300-900 MHz	30 dB Min
	900-1500 MHz	25 dB Min
	1500-2250 MHz	20 dB Min

Operating Characteristics

Impedance	50 Ohms Nominal
VSWR, Input	2.0:1
Typical Conversion Loss as Quadrupler	30 dB
Maximum Input Power	300 mW
Package Type	Relay Header (RH-3)
(See page 473 for physical dimensions.)	

Environmental

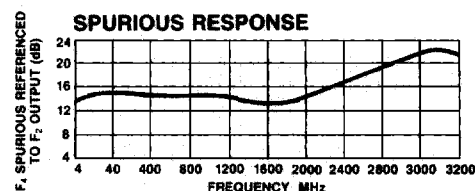
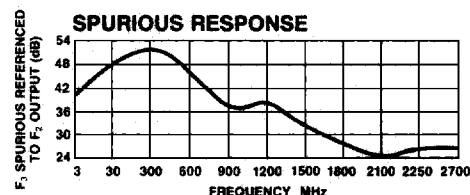
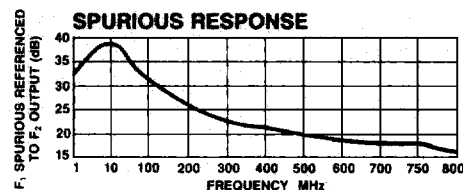
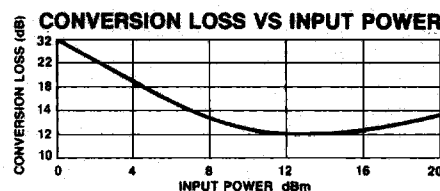
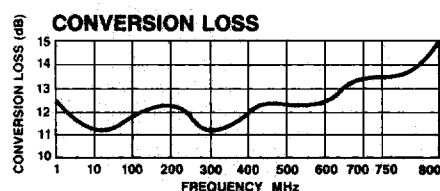
These units are designed to meet the environmental and screening requirements of Table 1A, page 496 of the Adams-Russell catalog.

Pin Configuration

IN; P1, Out; P8
Case and all other pins are ground.

*All specifications apply when operated at +13 dBm input power with 50 ohm source and load impedance

Typical Performance



Ordering Information

Model No.	Part No.	Connectors	Unit Price (5-9 Units)
FM-105	6829	Pin	\$34

Delivery is from stock.

ANZAC

Make the Connection...

80 Cambridge Street, Burlington, MA 01803 Fax (617) 273-1921

Adams Russell
COMPONENTS GROUP

For Technical Information, Call (617) 273-3333

For Ordering Information, Call (617) 273-3333