



MODEL FM-106

BROADBAND FREQUENCY DOUBLER 400-6000 MHz OUTPUT

Hermetic Flatpack
Multioctave Operation
Typical Conversion Loss — 11 dB

Guaranteed Specifications *

(From -55°C to +85°C)

Frequency Range		
Input	200-3000 MHz	
Output	400-6000 MHz	
Conversion Loss	200-400 MHz	14.5 dB Max
	400-2500 MHz	13.0 dB Max
	2500-3000 MHz	15.5 dB Max
Spurious (Referred to Output F₂ Level)		
F ₁	200-500 MHz	20 dB Min
	50-3000 MHz	15 dB Min
F ₃	600-2400 MHz	25 dB Min
	2400-9000 MHz	20 dB Min

Operating Characteristics

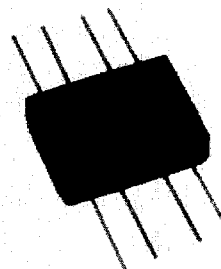
Impedance	50 Ohms Nominal	
VSWR, Input	200-500 MHz	3.0:1 Typ
	500-3000 MHz	2.0:1 Typ
Typical Conversion Loss as Quadrupler	30 dB	
Maximum Input Power	300 mW	
Package Type	Flatpack (FP-2)	
	(See page 474 for physical dimensions.)	

Environmental

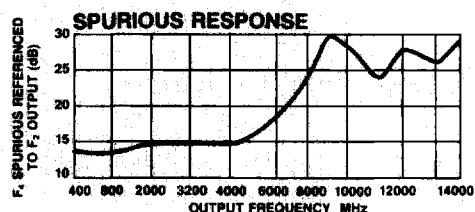
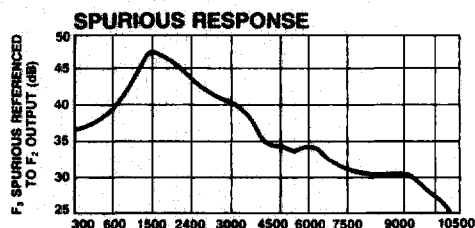
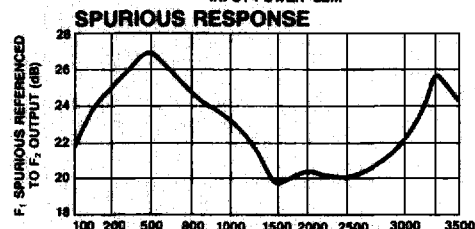
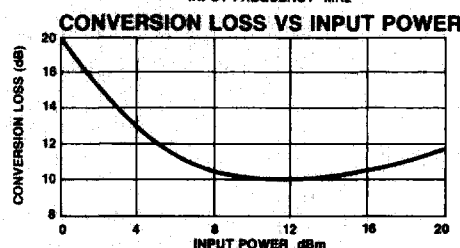
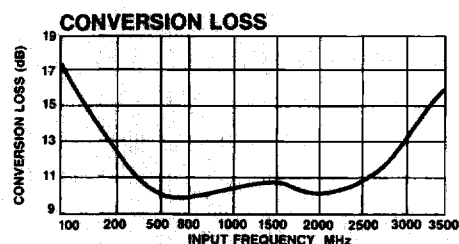
These units are designed to meet the environmental and screening requirements of Table 1A, page 496 of the Adams-Russell catalog.

Pin Configuration IN; P4, 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-106	6839	Pin	\$80

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