

NEW**MODEL D-1-4**

BROADBAND FREQUENCY DOUBLER 10 MHz-2.0 GHz OUTPUT

Conversion Loss — 13 dB Max
Untuned

Guaranteed Specifications*

(From -55°C to +85°C)

Input Frequency Range		5 MHz-1 GHz
Output Frequency Range		10 MHz-2 GHz
Conversion Loss*		13 dB Max @ 20 mW Input
Spurious (Referred to Output F₂ Level)		
F ₁	5-500 MHz	-20 dB
	0.5-1.0 GHz	-10 dB
F ₃	15-1500 MHz	-20 dB
	1.5-3.0 GHz	-15 dB

Operating Characteristics

Typical Input VSWR	5-500 MHz	1.8:1
	500 MHz-1 GHz	2.5:1

Typical Conversion Loss as Quadrupler 25 dB

Input/Output Impedance 50 Ohms

Maximum Input Power 0.5 Watt

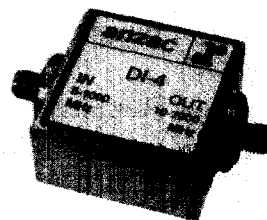
Package Type Connectorized (C-5)
(See page 481 for physical dimensions.)

Environmental

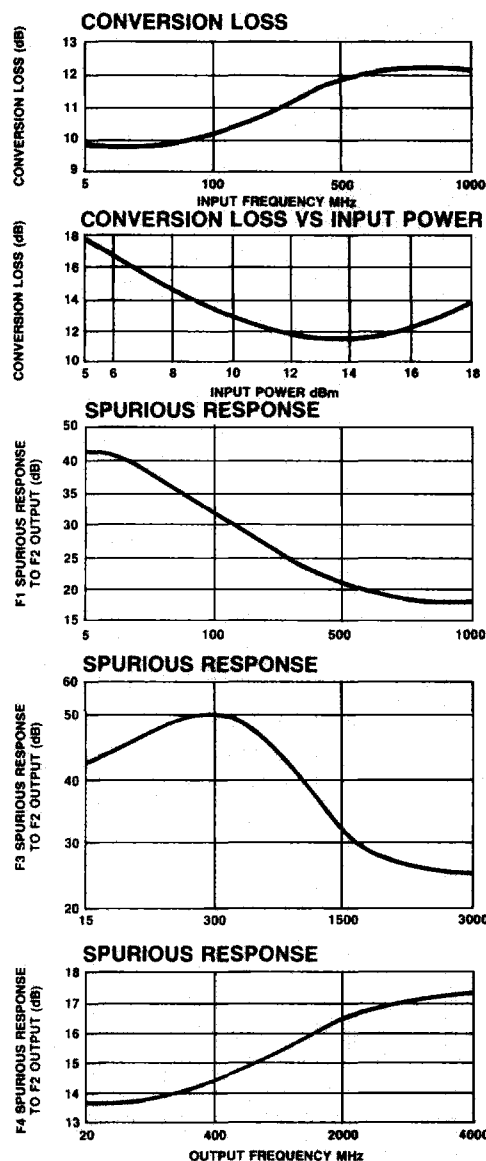
These units are designed to meet the environmental and screening requirements of Table 1A, page 496 of the Adams-Russell catalog.

*Optimum Input Output 3 dB down @ 7 mW and @ 100 mW input.

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



Typical Performance



Ordering Information

Model No.	Part No.	Connectors	Unit Price (5-9 Units)
D-1-4	8181	BNC	\$54
D-1-4	8184	SMA	59

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