

Frequency Multiplying Unit

SERIES: FMU-3

**14 pins DIP
TTL Interfaced**

**data
delay
devices, inc.**



Features:

- Auto-Insertable.
- Completely Interfaced with TTL and DTL application.
- No external components required.
- P.C. board space economy achieved.
- Fits standard 14 pins DIP socket.

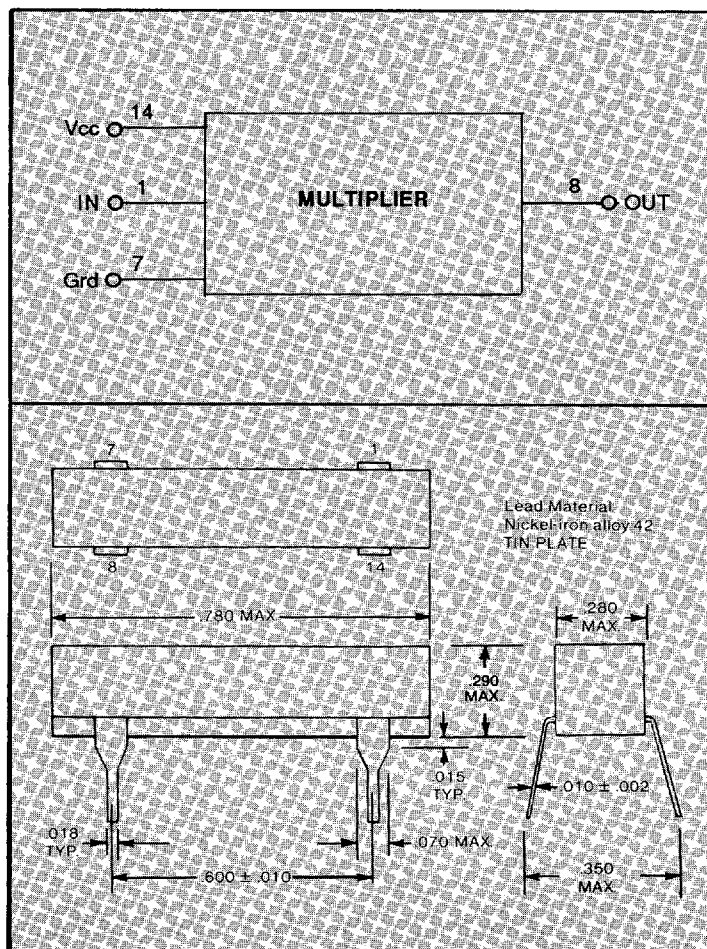
Specifications:

- Frequency multiplier: 3.
- Frequency tolerance: $\pm 5\%$ or 2 ns
whichever is greater.
- Pulse skewing: 5 ns typical.
- Duty cycle out = 50% ± 2 ns or $\pm 5\%$
whichever is greater.
- Rise-time: 2 ns typically.
- Temperature coefficient: 100 PPM/ $^{\circ}$ C.
- Temperature range: 0° C to 70° C standard
(-55° C to $+125^{\circ}$ C) on request.**
- Logic 1 input current: 20 μ a max.
- Logic 0 input current: -6 ma max.
- Logic 1 V out: 2.5 min.
- Logic 0 V out: 0.5 V max.
- Logic 1 fan-out: 25 max.
- Logic 0 fan-out: 12.5 max.
- Supply voltage: 4.75 to 5.25 Vdc.
- Supply current: I_{CCL} : 50 ma.
 I_{CCH} : 15 ma.

**Add an "M" after the part number
Ex. P/N FMU-3-3R000M Case: E5

Part Number	Input Frequency in (MHZ)	Output Frequency in (MHZ)
FMU-3-1R500	500	1,500
FMU-3-3R000	1,000	3,000
FMU-3-6R000	2,000	6,000
FMU-3-9R000	3,000	9,000
FMU-3-12R000	4,000	12,000
FMU-3-18R000	6,000	18,000
FMU-3-24R000	8,000	24,000
FMU-3-48R000	16,000	48,000
FMU-3-60R000	20,000	60,000
FMU-3-75R000	25,000	75,000
FMU-3-90R000	30,000	90,000

Other frequencies available on request.



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