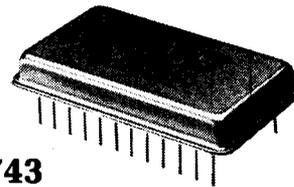


Voltage to Frequency Converters



4743

10MHz Hybrid V/F Converter
± 0.05% Nonlinearity

General Purpose Voltage to Frequency Converters

Output Frequency Range	Part Number	Absolute Accuracy			Temperature Stability		Specified Temperature Range (°C)	Pkg.	Page Number
		Nonlinearity (%FS, Max)	Zero Offset (%FS, Max)	Full Scale (%FS, Max)	Zero Offset (µV/°C, Max)	Full Scale (Max) (ppm of FS/°C)			
10kHz	4721	± 0.2	± 0.15	± 0.50	± 100	± 300	0 to +70	A	7-25
	4713	± 0.1	± 0.1	± 0.75	± 100	± 150	0 to +70	B	7-3
	4701	± 0.05	± 0.1	± 0.75	± 100	± 100	0 to +70	B	7-3
	4725	± 0.015 plus ± 0.015 (1)	± 0.1	± 0.75	± 100	± 100	0 to +70	B	7-3
	4723	± 0.015	± 0.15	± 0.50	± 50	± 100	0 to +70	A	7-25
100kHz	4703	± 0.05	± 0.1	± 0.75	± 100	± 100	-25 to +85	B	7-5

Notes: 1. Nonlinearity specification includes ± %FS plus ± %Signal.

Packages: A. Module, 1.14" × 1.14" × 0.4"

B. Module, 1.5" × 1.5" × 0.4"

Precision Voltage to Frequency Converters

Output Frequency Range	Part Number	Absolute Accuracy			Temperature Stability		Specified Temperature Range	Pkg.	Page Number
		Nonlinearity (%FS, Max)	Zero Offset (%FS, Max)	Full Scale (%FS, Max)	Zero Offset (µV/°C, Max)	Full Scale (Max) (ppm of FS/°C)			
10kHz	4715	± 0.01 plus ± 0.01(1)	± 0.03	± 0.50	± 20	± 50	0 to +70	A	7-13
	4715-01	± 0.005 plus ± 0.005 (1)	± 0.03	± 0.50	± 20	± 15	0 to +70	A	7-13
	4727	± 0.005	± 0.03	± 0.50	± 20	± 50	-25 to +85	A	7-29
	4727-01	± 0.005	± 0.03	± 0.50	± 20	± 30	-25 to +85	A	7-29
	4731	± 0.005	± 0.05	± 0.50	± 20	± 15	0 to +70	C	7-35
	4731-83 (2)	± 0.005	± 0.05	± 0.50	± 20	± 15	-55 to +125	C	7-35
100kHz	4709	± 0.005 plus ± 0.02 (1)	± 0.03	± 0.50	± 30	± 44	0 to +70	A	7-7
	4709-02	± 0.005 plus ± 0.02 (1)	± 0.03	± 0.50	± 30	± 12	0 to +70	A	7-7
	4733	± 0.005	± 0.05	± 0.50	± 20	± 20	0 to +70	C	7-35
	4733-83 (2)	± 0.005	± 0.05	± 0.50	± 20	± 20	-55 to +125	C	7-35
1MHz	4705	± 0.001 plus ± 0.05 (1)	± 0.1	± 0.50	± 50	± 200	0 to +70	A	7-7
	4705-01	± 0.0005 plus ± 0.02 (1)	± 0.1	± 0.50	± 50	± 200	0 to +70	A	7-7
	4719	± 0.02	± 0.05	± 0.50	± 25	± 50	-25 to +85	A	7-19
	4719-01	± 0.02	± 0.05	± 0.50	± 25	± 25	-25 to +85	A	7-19
	4735	± 0.015	± 0.05	± 0.50	± 50	± 30	0 to +70	C	7-35
	4735-83 (2)	± 0.015	± 0.05	± 0.50	± 50	± 30	-55 to +125	C	7-35
5MHz	4707	± 0.01 plus ± 0.05 (1)	± 0.1	± 0.50	± 100	± 150	0 to +70	B	7-7
	4739 (3)	± 0.05 plus ± 0.001 (1)	± 0.08 Typ	± 1.0 Typ	± 100 Typ	± 75 Typ	0 to +70 (3)	C	7-41
10MHz	4743 (3)	± 0.05 plus ± 0.05 (1)	± 0.08 Typ	± 0.50 Typ	± 100 Typ	± 100 Typ	0 to +70 (3)	C	7-41

Notes: 1. Nonlinearity specification includes ± %FS plus ± % signal.

2. Screened to the high reliability requirements of MIL-STD-883, Method 5008.

3. Contact factory for extended temperature range and high reliability screening.

Packages: A. Module, 2.0" × 2.0" × 0.4"

B. Module, 3.0" × 2.0" × 0.4"

C. 24 pin metal dual-in-line, 1.39" × 0.8" × 0.2"

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