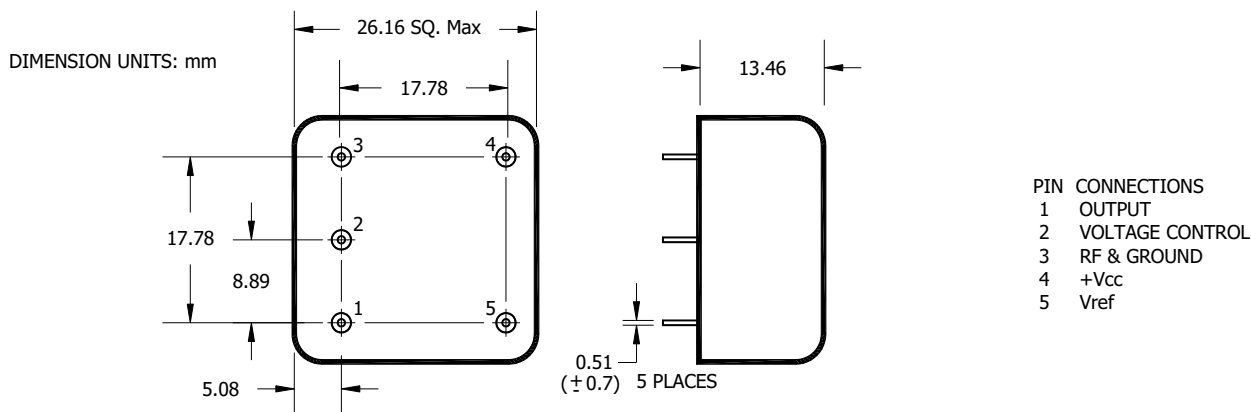


STANDARD SPECIFICATIONS

Frequency	1.000MHz to 150.000 MHz			
Cut	AT, SC			
Output	TTL/HCMOS Compatible			
Level	‘0’= 0.4 Vdc Max., ‘1’=2.4 Vdc Min.		‘0’=0.1 Vcc Max., ‘1’=0.9 Vcc Min.	
Duty Cycles	50%±5%			
Rise/Fall Time	<10 ns			
Stability				
Temperature	AT: $\pm 1.5 \times 10^{-7}$ *, SC: $\pm 6 \times 10^{-8}$ *			
Supply Voltage $\pm 5\%$	To ± 0.05 ppm			
Load	To ± 0.05 ppm			
Aging	AT: ± 0.5 ppm/year max		SC: ± 0.1 ppm/year max	
Warm up	To within ± 0.1 ppm in 10 minutes			
	AT Cut		SC Cut	
Phase Noise	Offset	Phase Noise	Offset	Phase Noise
	10 Hz	-110dBc	10 Hz	-115dBc
	100 Hz	-135 dBc	100 Hz	-140 dBc
	1,000 Hz	-140 dBc	1,000 Hz	-145 dBc
	10,000 Hz	-145 dBc	10,000 Hz	-145 dBc
Voltage Control	0.0 VDC to +4.0 VDC			
Voltage Control Range	AT: ± 2.0 ppm SC: ± 0.5 ppm			
Slope	Negative Slope			
Power Supplies				
Supply Voltage	+5 Vdc $\pm 5\%$			
Supply current max. during warm up	700 mA			
Supply current typ. @25°C SS	240 mA			
Temperature				
Operating Temperature	-30°C ~ +70°C *			
Storage Temperature	-55°C to +125°C			

* Stability is related to operating temperature



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Specifications subject to change without notice (Rev A)