



MVF / MVH

Metal Welded DIP Package

Parameters / Specifications

Parameters		Specifications	
Supply Voltage		5.0Vdc $\pm$ 5%	3.3Vdc $\pm$ 5%
Frequency Range		1.000 ~ 100.000MHz(Half type : ~ 60.000)	
Operating Temperature Range		0°C ~ +70°C (STD), -40°C ~ +85°C	
Frequency Tolerance / Stability		$\pm$ 10, 20, 25, 50ppm	
Storage Temperature Range		-40°C ~ +85°C	
Frequency Deviation	2.5Vdc $\pm$ 2.0Vdc	$\pm$ 10, 30, 50, 100, 150ppm Min.	
	2.5Vdc $\pm$ 2.5Vdc	$\pm$ 10, 30, 50, 100, 150, 200ppm Min.	
	1.65Vdc $\pm$ 1.65Vdc	$\pm$ 10, 30, 50, 100, 150ppm Min.	
Input Current	1.000 ~ 20.000MHz	20mA Max.	15mA Max.
	20.001 ~ 40.000MHz	30mA Max.	25mA Max.
	40.001 ~ 60.000MHz	40mA Max.	35mA Max.
	60.001 ~ 100.000MHz	50mA Max.	45mA Max.
Load Drive Capacitance		10TTL or 15pF HCMOS Load	
Linearity		$\pm$ 20, 15, 10, 5% (Option)	
Output Voltage Logic High(VoH)	w/TTL Load	2.4Vdc Min.	
	w/HCMOS Load	90% of Vdd Min.	
Output Voltage Logic Low(VoL)	w/TTL Load	0.4Vdc Max.	
	w/HCMOS Load	10% of Vdd Max.	
Duty Cycle		50 $\pm$ 10%(STD), 50 $\pm$ 5%	
Rise / Fall Time		5nsec Max.	
Aging @+25°C		$\pm$ 3ppm Max. per year	
Start up Time		10msec Max.	
Period Jitter (Absolute)	$\leq$ 60.000MHz	$\pm$ 100ps Max.	
	$>$ 40.000MHz	$\pm$ 200ps Max.	
Period (One Sigma)	$\leq$ 60.000MHz	$\pm$ 25ps Max.	
	$>$ 40.000MHz	$\pm$ 50ps Max.	

\*PECL(MVF type) is available (10.000 ~ 155.520MHz)

Mechanical Dimensions

