



PSV

Plastic J-Lead SMD Package

Parameters / Specifications

Parameters		Specifications	
Supply Voltage		5.0Vdc $\pm$ 5%	3.3Vdc $\pm$ 10%
Frequency Range		1.544 ~ 32.000MHz	
Operating Temperature Range		0°C ~ +70°C (STD), -40°C ~ +85°C	
Frequency Tolerance / Stability		$\pm$ 50, 100ppm	
Storage Temperature Range		-55°C ~ +125°C	
Frequency Deviation	2.5Vdc $\pm$ 2.0Vdc	$\pm$ 10, 30, 50, 100ppm Min.	
	2.5Vdc $\pm$ 2.5Vdc	$\pm$ 10, 30, 50, 100, 150ppm Min.	
	1.65Vdc $\pm$ 1.65Vdc	$\pm$ 10, 30, 50, 100, 150ppm Min.	
Input Current	2.000 ~ 20.000MHz	10mA Max.	10mA Max.
	20.001 ~ 40.000MHz	20mA Max.	15mA Max.
	40.001 ~ 60.000MHz	30mA Max.	25mA Max.
Load Drive Capacitance		HCMOS / TTL Output	
Linearity		$\pm$ 20% Max.	
Output Voltage Logic High (VoH)	w/TTL Load	2.4Vdc Min.	
	w/HCMOS Load	Vdd - 0.5Vdc Min.	Vdd 2.7Vdc Min.
Output Voltage Logic Low (VoL)	w/TTL Load	0.4Vdc Max.	
	w/HCMOS Load	0.5Vdc Max.	
Duty Cycle		50 $\pm$ 10% (STD), 50 $\pm$ 5%	
Rise / Fall Time		8nsec Max.	
Aging @ +25°C		$\pm$ 5ppm Max. per year	
Start up Time		6msec Max.	
Pin 1 Control Voltage Range		2.5V $\pm$ 2.0V	1.65V $\pm$ 1.35V
Period Jitter (One Sigma)		$\pm$ 25ps Max.	

Mechanical Dimensions

