



**MST1**

**Metal Can SMD Package**

Parameters / Specifications

Parameters		Specifications	
Output Wave Form		TTL/HCMOS	Clipped Sinewave
Frequency Range		1.200 ~ 100.000MHz	9.600 ~ 35.000MHz
Operating Temperature Range		0°C~ +50°C (STD), -40°C~ +85°C	
Frequency Stability		± 1.5 ~ ±5.0ppm	
Supply Voltage		5.0Vdc(3.3Vdc)	5.0Vdc(3.3Vdc)
Input Current	1.200 ~ 27.000MHz	20mA(15mA) Max.	-
	27.001 ~ 100.000MHz	35mA(30mA) Max.	-
	9.600 ~ 27.000MHz	-	2mA(1.5mA) Max.
	27.001 ~ 35.000MHz	-	3mA(2.5mA) Max.
Load Drive Capability		10TTL or 15pF HCMOS	10Kohm//10pF
Output Voltage Logic High(VoH)	w/TTL Load	2.4Vdc Min.	1.0Vp-p Min. (Vdd: 5.0Vdc)
	w/HCMOS Load	90% of Vdd Min.	
Output Voltage Logic Low(VoL)	w/TTL Load	0.4Vdc Max.	0.8Vp-p Min. (Vdd: 3.3Vdc)
	w/HCMOS Load	10% of Vdd Max.	
Duty Cycle		50 ± 10%	
Rise / Fall Time		5nsec Max.	-
Aging @+25°C		±1ppm Max. per year	
Internal Trim		±3ppm Min.	
(External) Control Voltage		2.5Vdc±2.0Vdc(Vdd:5Vdc), 1.65Vdc±1.0Vdc(Vdd:3.3Vdc) Positive Transfer Characteristic	
Frequency Deviation		±5ppm or ±10ppm Min. over Control Voltage	

Mechanical Dimensions

