

# FEATURES

PETERMANN

TECHNIK

Time & Frequency Components

- HIGH RELIABILITY FOR LOW COST
- SINE WAVE OUTPUT SIGNAL
- LOW HARMONIC DISTORTION
- AVAILABLE IN 5.0 AND 3.3 VOLT
- EXCELLENT CLOCK SIGNAL GENERATOR FOR DSP'S AND CPU'S
- EXTENDED TEMPERATURE RANGE TO -40/+85°C AVIALABLE

<b>SERIES</b>		HS14	
<b>PACKAGE</b>		14 PIN DIP	
<b>FREQUENCY RANGE</b>		1.0 ~ 156.0 MHz	
<b>FREQUENCY STABILITY</b>		+-20 ~ +-100 ppm	
<b>AGING</b>		+5 ppm per year max.	
<b>OPERATING TEMPERATURE RANGE</b>		0/+70°C ~ -40/+85°C	
<b>STORAGE TEMPERATURE RANGE</b>		-50/+100°C	
<b>INPUT</b>	<b>VOLTAGE</b>	+5.0 VDC +-5%	+3.3 VDC +-5%
	<b>CURRENT</b>	18 mA typ. 10.0 MHz	9 mA typ. 10.0 MHz
		34 mA typ. 100.0 MHz	18 mA typ. 100.0 MHz
		36 mA typ. 150.0 MHz	19 mA typ. 150.0 MHz
<b>OUTPUT</b>	<b>SIGNAL LEVEL</b>	SINE WAVE	
		0 dBm min. into 50 Ω (output power up to 5 dBm available)	
<b>PIN 1</b>	<b>STANDARD</b>	WITHOUT ENABLE/DISABLE FUNCTION	
	<b>OPTION</b>	WITH ENABLE/DISABLE FUNCTION	
<b>TRISTATE LOGIC TABLE</b>		PIN 1 INPUT	PIN 8 OUTPUT
		2.0V MIN. OR NOT CONNECTED	OSCILLATION
		0.8V MAX. OR GND	HIGH IMPEDANCE
<b>PIN CONNECTION</b>		SEE OUTLINE DRAWINGS	
<b>HARMONICS</b>		<-20 dBc	
<b>START-UP TIME</b>		10 ms max.	
<b>OTHER PARAMETERS ARE AVAILABLE ON REQUEST / CREATE HERE YOUR SPECIFICATION</b>			

## PART NUMBERING SYSTEM

<b>EXAMPLE</b>	HS143-25-W-E-G-125.0MHZ
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<b>SERIES</b>	HS14 FOR 5.0 VOLT VERSION
	HS143 FOR 3.3 VOLT VERSION
<b>FREQUENCY STABILITY</b>	BLANK FOR 100 PPM
	ANY 50 ~ 20 PPM
<b>TEMPERATURE RANGE</b>	BLANK FOR 0/+70°C
	N = -10/+60°C
	M = -20/+70°C
	W = -40/+85°C
<b>PIN 1 ENABLE/DISABLE</b>	BLANK FOR NO E/D
	E FOR E/D
<b>PIN CONFIGURATION</b>	BLANK FOR DIP
	G FOR GULL WING
<b>FREQUENCY</b>	REQUIRED FREQUENCY
<b>OUTPUT LEVEL</b>	INDICATE VALUE IF EXACT OUTPUT POWER IS REQUIRED OF HIGER THAN 0 dBm MIN.

