Features:

- Small package: 25.8x25.8x12.7 mm
- Low phase noise options: up to -173 dBc/Hz at 10 kHz offset
- Long term stability: up to±2x10⁻⁸/year
- RoHS compliant
- Standard frequency: 10.0 MHz

ORDERING GUIDE: MV333 $-\underline{C5}$ \underline{F} -10MHz $-\underline{3}$

	sta	ailability of certain bility vs. operating emperature range	± 5×10 ⁻⁹	± 3×10 ⁻⁹	± 2×10 ⁻⁹
ı			5	3	2
	Α	0+55°C	Α	Α	Α
ı	В	-10+60°C	Α	Α	Α
1	С	-20+70°C	Α	Α	Α
	D	-40+70°C	Α	Α	С

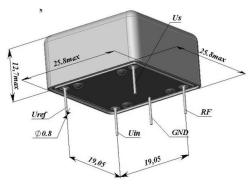
A – available, C – consult factory, NA- not available

For other temperature ranges see designation at the end of Data Sheet.

		ailability of certain	Standard frequencies				
		frequencies	10.0 MHz				
Ī	G	±1x10 ⁻⁷ /year	Α				
╛	F	±5x10 ⁻⁸ /year	Α				
	E	±3x10 ⁻⁸ /year	Α				
I	D	±2x10 ⁻⁸ /year	Α				

Phase noise, dBc/Hz, for 10MHz, SIN	1	2	3	4		
1 Hz	<-95	<-100	<-90	≤-95		
10 Hz	<-125	<-130	<-125	<-130		
100 Hz	<-155	<-158	<-158	<-158		
1000 Hz	<-165	<-165	<-168	<-168		
10000 Hz	<-170	<-170	<-173	<-173		

Package drawing:



Vibrations:	
Frequency range	10-500 Hz
Acceleration	5 g
Shock:	
Acceleration	75g
Duration	3±1 ms
Humidity @ +25 °C	98%
Storage temperature range, 2C	-5570°C

Short term stability (Allan deviation) per 1 sec, for 10 MHz	<5x10 ⁻¹²
Frequency stability vs. load changes (±5%)	< ±5x10 ⁻¹⁰
Frequency stability vs. power supply changes (±5%)	< ±5x10 ⁻¹⁰
Warm-up time within accuracy of <±2x10 ⁸ @ 25 °C	< 5 min
Power supply (Us)	12V±5%
Steady state current consumption @ 25°C	< 170 mA
Peak current consumption during warm-up	< 500 mA
Frequency pulling range	$> \pm 4.0 \times 10^{-7}$
Control voltage range (Uin)	05 V
Reference voltage (Uref)	+5 V
Output	SIN
Level	> 600 mV
Load	50 Ohm±5%
Harmonics	> 30 dBc

Additional notes:

- Please consult factory for daily aging values. Normally typical correspondence of daily to aging per year is as following: ±1x10⁻⁷/year - ±1x10⁻⁹/day; ±5x10⁻⁸/year - ±5x10⁻¹⁰/day; ±3x10⁻⁸/year - ±3x10⁻¹⁰/day
- For non standard operating temperature ranges please use the following two letters designations (first letter for the lower limit, second letter for the upper limit), °C:

Α	В	С	D	E	F	G	Н	J	K	L	М	N	Р	Q	R	S	Т	U	W	Х
-60	-55	-50	-45	-40	-30	-20	-10	0	+10	+30	+40	+45	+50	+55	+60	+65	+70	+75	+80	+85

