

1. Specifications

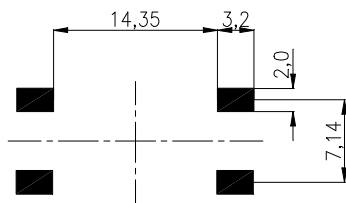
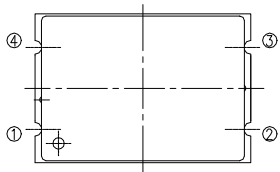
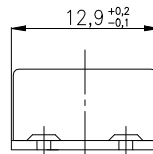
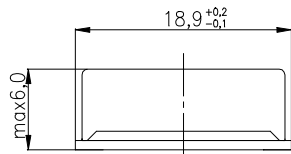
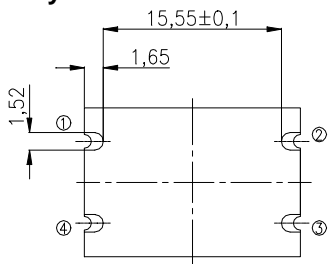
Nominal Frequency:	100.0 MHz	
Initial tolerance after reflow: ($T_A = +25\text{ °C}$, $V_C = +2.5\text{ V}$)	$\leq \pm 3.0\text{ ppm}$	
Frequency stability		
in the temp. range -40 °C to $+85\text{ °C}$:	$< \pm 1.0\text{ ppm}$	
vs. supply voltage changes $U_B \pm 5\%$:	$< \pm 0.1\text{ ppm}$	
vs. load changes $\pm 10\%$:	$< \pm 0.1\text{ ppm}$	
Aging @ $+40\text{ °C}$:	$\leq \pm 1.0\text{ ppm / year}$	
Frequency control range:	$\geq \pm 14.0\text{ ppm}$	
Control voltage range V_C	$+0.5\text{ V} \dots +4.5\text{ V}$	
Control voltage input impedance:	$\geq 50\text{ kOhm}$	
Slope / Linearity:	Positive / 10%	
Supply voltage V_S :	$+5.0\text{ V} \pm 5\%$	
Max. current consumption:	40 mA	
Output signalvoltage:	SINE	
level:	min. 6 dBm	
load :	50 Ohm	
Harmonics:	$\leq -30\text{ dBc}$	
Phase noise	typical	guarantueed
@ 10 Hz:	$\leq -75\text{ dBc/Hz}$	$\leq -65\text{ dBc/Hz}$
@ 100 Hz:	$\leq -105\text{ dBc/Hz}$	$\leq -98\text{ dBc/Hz}$
@ 1 kHz:	$\leq -130\text{ dBc/Hz}$	$\leq -125\text{ dBc/Hz}$
@ 10 kHz:	$\leq -150\text{ dBc/Hz}$	$\leq -145\text{ dBc/Hz}$
@ 100 kHz:	$\leq -153\text{ dBc/Hz}$	$\leq -150\text{ dBc/Hz}$
Temperature ranges		
Operating:	-40 °C to $+85\text{ °C}$	
Storage:	-45 °C to $+90\text{ °C}$	

2. Marking

Manufacturer's name, date code (week/year)
 Specification
 Center frequency

3. Case

Case style



Pin configuration

1. Control voltage V_C
2. Ground, case
3. RF-output
4. Supply voltage V_S

All Dimensions in mm

4. Recommended Soldering Profile

