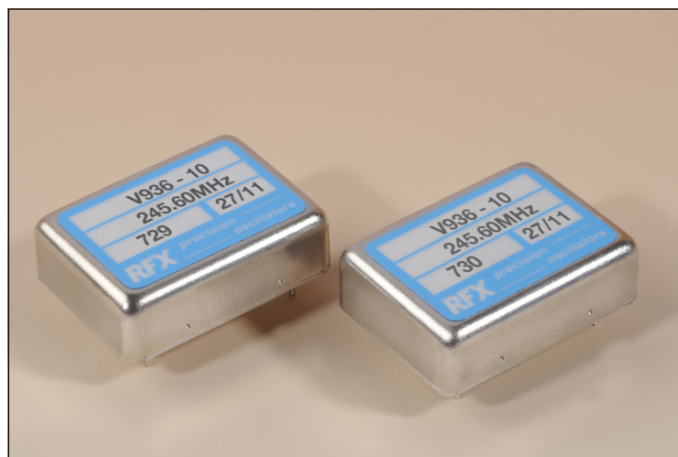


VCXO V936 - 10

- **Extremely wide frequency range, large pulling range with excellent linearity and low ageing.**
- **Hermetically sealed case, 10mm height.**
- **Sine wave or CMOS output.**
- **Standard and custom specifications over the frequency range 1MHz to 1GHz.**



Standard options:

frequency range:	_____ 1MHz ~ 1GHz _____		
accuracy codes:	_____ (A) _____	_____ (B) _____	
temperature tolerance	±10ppm	±20ppm	
temperature range	(0 +50)°C	(-20 +70)°C	
output codes:	_____ (S) _____	_____ (L) _____	
output	sine wave, 0dBm into 50Ω harmonics -30dBc max.	CMOS 15pF, 45% ~ 55% <2ns max. rise and fall	
supply voltage codes:	_____ (V1) _____	_____ (V2) _____	_____ (V3) _____
supply voltage	+3.3Vd.c.	+5.0Vd.c.	+12.0Vd.c.
control voltage V_c	(+1.5 ±1.5)Vd.c.	(+2.25 ±2.25)Vd.c.	(+2.25 ±2.25)Vd.c.
voltage control range	±100ppm max.*	±200ppm max.*	±300ppm max.*
	*control range is frequency dependent		

Generic specification:

stability:		
ageing long term	±2ppm max. first year	
control range linearity	±10%	
control voltage input impedance	100KΩ min.	
power supplies:		
supply current	50mA max. frequency dependent	
insulation resistance	500MegΩ min., 100Vd.c.	
temperature:		
operating range	(0 +50)°C	(-20 +70)°C
storage range	(-40 +125)°C	(-40 +125)°C

Environmental conditions:

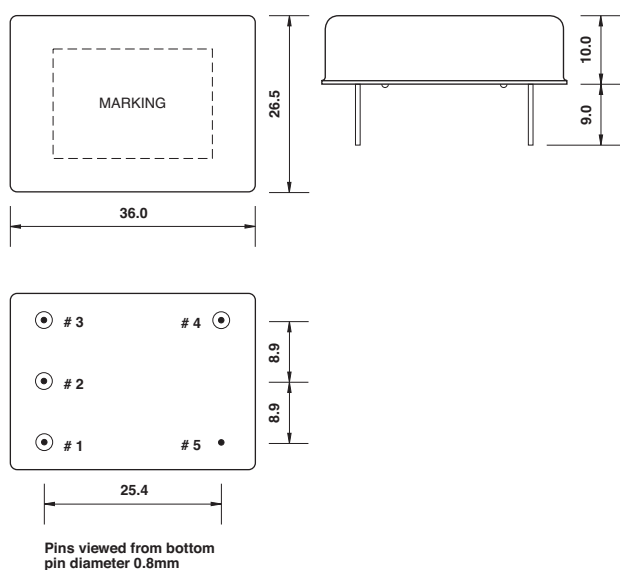
mechanical shock: MIL standard 202F, method 213, condition J
thermal shock: MIL standard 202F, method 107, condition A
vibration: MIL standard 202F, method 204, condition B
solderability: 5 seconds max. at +230°C, 3 seconds max. at +350°C

Marking: part number and frequency on high temperature metalised polyester label

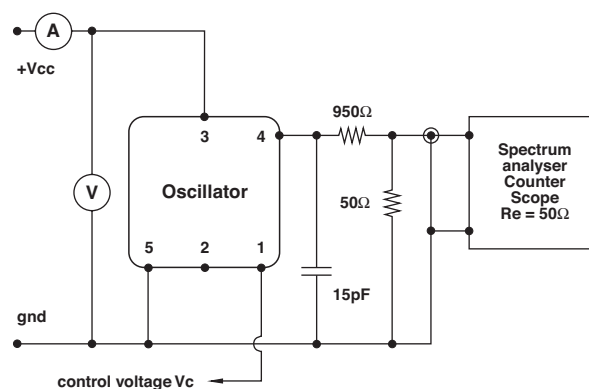
Ordering code:

standard specification: **V936-10 A S V2 - 155.52M**
V936-10 = series generic code
A temp. tol. and temp. range code: **A = ±10ppm(0 +50)°C**
S output code: **S = sine wave output, 0dBm into 50Ω**
V2 supply voltage code: **V2 = +5Vd.c. supply**
155.52M output frequency: **155.52M = 155.52MHz**

Custom specification: part number issued with custom specification and drawing

Dimensions(mm):

Pin connections:

1 control voltage V_c
 # 2 n.c.
 # 3 $+V_{cc}$
 # 4 output
 # 5 ground

Test circuit, CMOS load:


test circuit includes a 20:1 step down into a matched 50Ω load