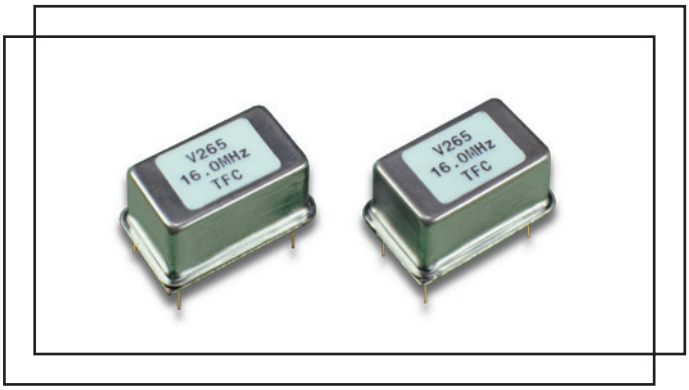
# Series V265-8.5
# 4pin(14 pin DIL layout)
# (10.0 ~ 155)MHz

- # wide pulling range
- # good linearity
- # hermetic seal




## Standard options:

| | | | |
|---|---|---|---|
| **frequency range:** | (10.0 ~ 155)MHz | | |
| **accuracy codes:** | (A) | | (B) |
| temperature tolerance | ±10.0ppm | | ±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 |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ISO9001: 2000
RS13124
ISO14001: 1996
EMS53965

# Series V265-8.5

## 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:

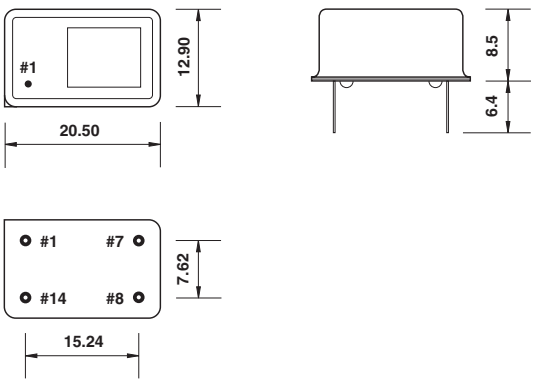
frequency, date code, serial number on high temperature metalised polyester label

## Ordering code:

| | |
|---|---|
| **standard specification:** | **V265-8.5 A S V2 - 155.52M** |
| **V265-8.5** | **= 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):

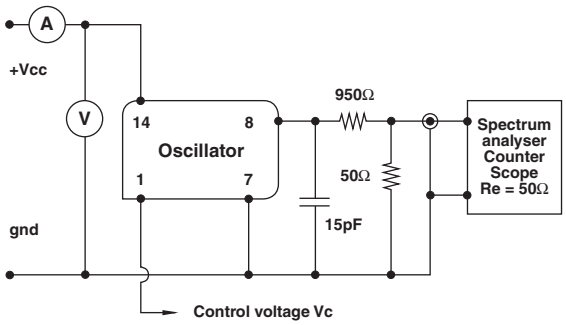



Pins viewed from bottom
pin diameter 0.45mm

## Pin connections:

| | |
|---|---|
| #1 | control voltage $V_c$ |
| #7 | ground/case |
| #8 | output |
| #14 | $+V_{cc}$ |

## Test circuit:




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

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