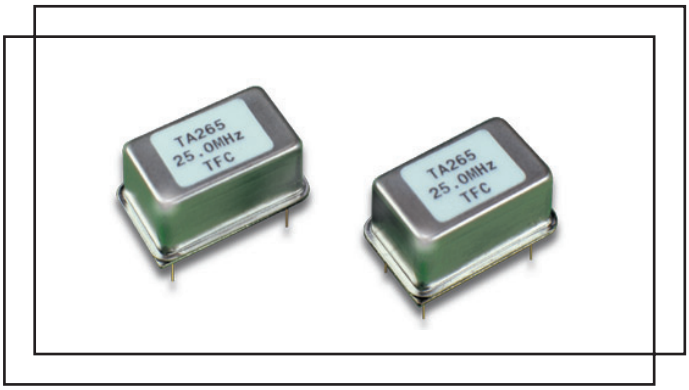
Series TA265-8.5
(10.0 ~ 155)MHz

- # 4 pin(14 pin DIL layout)
- # hermetic seal
- # excellent phase noise
- # low ageing



Standard options:

frequency range:	(10.0 ~ 155)MHz		
accuracy codes:	(A)	(B)	(C)
temperature tolerance	±1.0ppm	±1.5ppm	±2.0ppm
temperature range	(-10 +60)°C	(-20 +70)°C	(-35 +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 V_{cc}	+3.3Vd.c.	+5.0Vd.c.	+12.0Vd.c.

Generic specification:

stability:			
against supply voltage change	±0.02ppm max. for V_{CC} ±5%		
against load change	±0.02ppm max. for load ±10%		
ageing short term	±0.005ppm max. per day after 30 days continuous operation		
ageing long term	±1.5ppm max. first year		
voltage trim V_t	±10ppm min. typical, linearity ±5%		
trim input impedance	100KΩ min.		
power supplies:			
supply voltage V_{cc}	+3.3Vd.c.	+5.0Vd.c.	+12.0Vd.c.
supply current	frequency, V_{cc} and output load dependent		
insulation resistance	500MegΩ min., at +100Vd.c.		
phase noise:			
single sideband, 1Hz bandwidth	-80dBc/Hz, f_o+10Hz -100dBc/Hz, f_o+100Hz -125dBc/Hz, f_o+1kHz		
temperature:			
operating range	(0 +50)°C	(-10 +60)°C	(-40 +70)°C
storage range	(-40 +125)°C	(-40 +125)°C	(-40 +125)°C

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ISO9001: 2000
RS13124
ISO14001: 1996
EMS53965

Series TA265-8.5

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

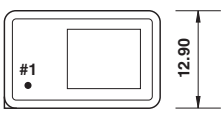
Marking:

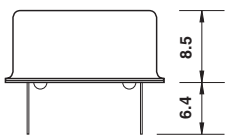
frequency, date code, serial number on high temperature metalised polyester label

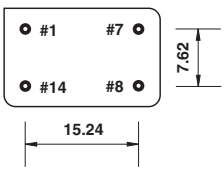
Ordering code:

standard specification:	**TA265-8.5 A S V2 - 18.432M**
TA265-8.5	**= series generic code**
A	temp. tol. and temp. range code: **A = ±1.0ppm(-10 +60)°C**
S	output code: **S = sine wave output, 0dBm into 50Ω**
V2	supply voltage code: **V2 = +5Vd.c. supply**
18.432M	output frequency: **18.432M = 18.432MHz**
custom specification:	part number issued with custom specification and drawing

Dimensions(mm):





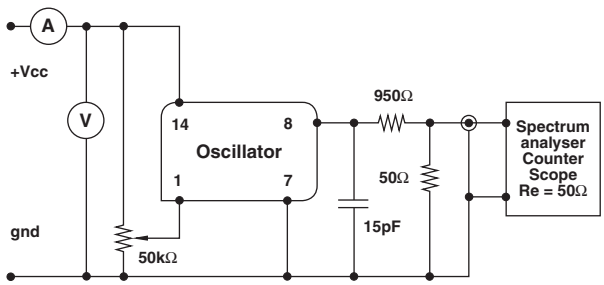


Pins viewed from bottom
pin diameter 0.45mm

Pin connections:

#1	trim
#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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