

fordahl

FREQUENCY CONTROL PRODUCTS

Erfenstrasse 31, 2503 Bienne, Switzerland - Phone +41 32 366 50 50 - Fax +41 32 366 50 59 - E-mail fordahl@fordahl.com

BT	SPO - OSCILLATOR SPECIFICATION	TCXO	AS7046A	Rev. 01	Date: 31.07.2003	Visa: NE
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Oscillator type : DFA S7-KOV 9.6 M AS7046
 Customer : Telerad (F)
 Customer part number : TBA
 Frequencies : 9.600 MHz
 Crystal frequencies : 9.600 MHz
 Package size : SMD, 20 x 13.1 x 7.9 mm, epoxy with metal can
 4 pads

MARKING :

DFA S7-KOV 9.600 MHz AS7046	YR.WK
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Marking of the 25°C offset in ppm with a hand written label. This is not a washable marking!
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ELECTRICAL SPECIFICATIONS

Supply voltage : 5.0 V ± 5 %
 Supply current (no load) : ≤ 6 mA
 Output type and load : Clipped Sine 10 kΩ/10 pF
 Output amplitude : ≥ 1 V p-p
 Start up : ≤ 10 ms @ 4.75 V
 SSB Phase noise (1 Hz B.W.) : -130 dBc/Hz @ 1 kHz
 -142 dBc/Hz @ 10 kHz

FREQUENCY STABILITIES

Temperature range : -30 to 75° C
 Calibration @ 25°C : By external control voltage
 Stability versus temperature : ≤ ± 1.0 ppm
 Stability versus Vcc ± 5 % : ≤ ± 0.1 ppm
 Stability versus Load ± 10 % : ≤ ± 0.1 ppm
 Ageing 1st year : ≤ ± 1.0 ppm
 Long term ageing : ≤ ± 4 ppm over 10 years

EXTERNAL OR INTERNAL FREQUENCY CONTROL

Type of frequency control : external voltage control
 Frequency control range : 0.5 V to 3.7 V center : 2.1 V
 Pulling range : ≥ ± 5.0 ppm ; ≤ ± 10 ppm
 Function : positive
 Linearity or slope : ≤ ± 20 %
 Frequency control input impedance : ≥ 10 kΩ

ENVIRONMENTAL SPECIFICATIONS

Storage temperature : -40 to 85° C
 Shocks (6 directions) : 100g, 6 ms, 1/2 sine
 Vibrations (3 axes) : 20 - 2000 Hz, 20g

REMARKS**HISTORY OF REVISIONS**

Rev. 01	25°c offset marking added
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