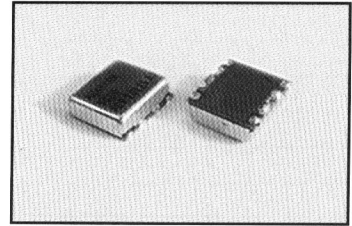


**SUPER MINATURE ULTRA HIGH FREQUENCY SURFACE -MOUNT
VOLTAGE CONTROLLED OSCILLATORS**

ACV1012S



FEATURES:

- Wide Frequency Range VCOs
- Low current
- Excellent C/N and S/N ratios
- Fine tuning
- Surface-Mount
- Tape and Reel Option
- Low power supply as 3V
- Custom specs. available

APPLICATIONS:

- Cellular phones
- Private Mobile Radios
- Cordless Telephones
- Global Positioning Systems Receivers
- Wireless Communications Equipment

ELECTRICAL CHARACTERISTICS OF SOME CUSTOM SPECIFICATIONS @ 25°C

PART NUMBER (See Note 1)	FREQUENCY (MHz)	CONTROL VOLTAGE (Vc)	Vc SENSITIVITY (MHz/V)	SUPPLY VOLTAGE (Vdd (V))	CURRENT CONSUMPT. Idd (mA)	OUTPUT LEVEL (dBm)	C/N (dBc/Hz) @ (kHz)	S/N dB (1)
ACV1012S837A	836.5 ± 12.5	1.0 - 4.0	≥ 9	4.2 ± 0.25	7.0	≥ -5	110(25)	50
ACV1012S837B	836.5 ± 12.5	0.3 - 2.7	≥ 13	3.0 ± 0.2	7.5	≥ -6	109(25)	50
ACV1012S927	926.5 ± 12.5	1.0 - 4.0	≥ 9	4.2 ± 0.25	7.0	≥ -5	110(25)	45
ACV1012S965A	964.5 ± 12.5	1.0 - 4.0	≥ 11	4.2 ± 0.25	8.0	≥ -5	108(25)	45
ACV1012S965B	964.5 ± 12.5	0.3 - 2.7	≥ 13	3.0 ± 0.2	8.5	≥ -6	107(25)	45
ACV1012S889	888.5 ± 16.5	1.0 - 4.0	≥ 11	4.2 ± 0.25	7.5	≥ -5	109(25)	50
ACV1012S979	978.5 ± 16.5	1.0 - 4.0	≥ 11	4.2 ± 0.25	8.0	≥ -6	108(25)	45
ACV1012S1017	1016.5 ± 16.5	1.0 - 4.0	≥ 11	4.2 ± 0.25	8.0	≥ -6	108(25)	45
ACV1012S1025	1025.5 ± 16.5	1.0 - 4.0	≥ 11	4.2 ± 0.25	8.0	> -6	108(25)	45
ACV1012S903	902.5 ± 12.5	1.0 - 4.0	≥ 9	4.2 ± 0.25	7.0	≥ -6	108(25)	45
ACV1012S1019	1018.5 ± 12.5	1.0 - 4.0	≥ 11	4.2 ± 0.25	8.0	≥ -6	108(25)	45
ACV1012S885	885.5 ± 29.5	1.0 - 4.0	≥ 20	4.2 ± 0.25	8.0	≥ -6	100(10)	45
ACV1012S886A	886.0 ± 1.0	1.0 - 4.0	≥ 2	4.2 ± 0.25	7.5	≥ -3	110(25)	45
ACV1012S931	931.0 ± 1.0	1.0 - 4.0	≥ 2	4.2 ± 0.25	7.5	≥ -3	110(25)	45
ACV1012S886B	886.0 ± 12.5	1.0 - 4.0	≥ 9	4.2 ± 0.25	7.5	≥ -3	110(25)	45
ACV1012S716A	716.0 ± 12.5	1.0 - 4.0	≥ 9	4.2 ± 0.25	7.5	≥ -3	110(25)	45
ACV1012S716B	716.0 ± 12.5	0.5 - 2.5	≥ 11	3.2 ± 0.2	7.0	≥ -6	110(25)	45
ACV1012S915	914.5 ± 0.5	1.0 - 4.0	≥ 2	4.2 ± 0.25	7.5	≥ -3	110(25)	45
ACV1012S960	959.5 ± 0.5	1.0 - 4.0	≥ 2	4.2 ± 0.25	7.5	≥ -3	110(25)	45
ACV1012S856	856.4 ± 0.5	1.0 - 4.0	≥ 2	4.2 ± 0.25	7.5	≥ -3	110(25)	45
ACV1012S901	901.4 ± 0.5	1.0 - 4.0	≥ 2	4.2 ± 0.25	7.5	≥ -3	110(25)	45
ACV1012S1402	1402.0 ± 2.0	0.5 - 2.5	≥ 4	3.0 ± 0.3	10.0	≥ -5	90(10)	-
ACV1012S1665	1665.0 ± 15.0	0.5 - 2.5	≥ 20	3.0 ± 0.25	10.0	≥ -6	95(25)	-
ACV1012S1835	1835.0 ± 65.0	0.5 - 2.5	≥ 65	3.2 ± 0.25	15.0	≥ -5	100(25)	-
ACV1012S2260	2260.0 ± 70.0	0.5 - 4.5	≥ 65	4.5 ± 0.25	20.0	≥ -5	92(10)	-

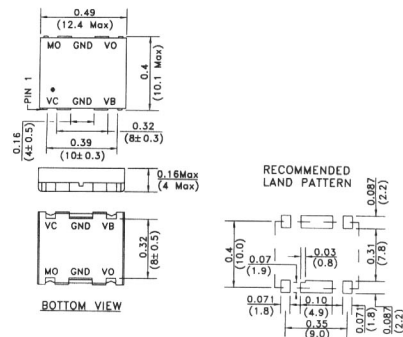
Note 1: 1 kHz, ± 3 kHz deviation, 0.3 - 3 kHz BW

Part Number ACV1012SXXXX - Packaging (XXXX represents 4-digit for frequency). Marking, see p. 69.

Option - T for Tape and Reel packaging.

Pin	Functions:
1	Vc
2,5	GND
3	Vdd (supply voltage)
4	V _o (Output)
6	M _c (Audio Modulation Input)

We manufacture to your custom specifications.
Please call us for details.



All specifications and markings subject to change without notice.

Dimensions: Inches (mm)

