

Coaxial

Voltage Controlled Oscillator

ZX95-3760+

Linear Tuning 3200 to 3760 MHz

Features

- low phase noise
- low pushing
- low pulling
- protected by US patent 6,790,049

Applications

- r & d
- lab
- instrumentation
- wireless communications
- satellite systems
- SAP/SAB



CASE STYLE: GB956

Connectors	Model	Price	Qty.
SMA	ZX95-3760-S+	\$ 40.95 ea.	(1-9)

+RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Electrical Specifications

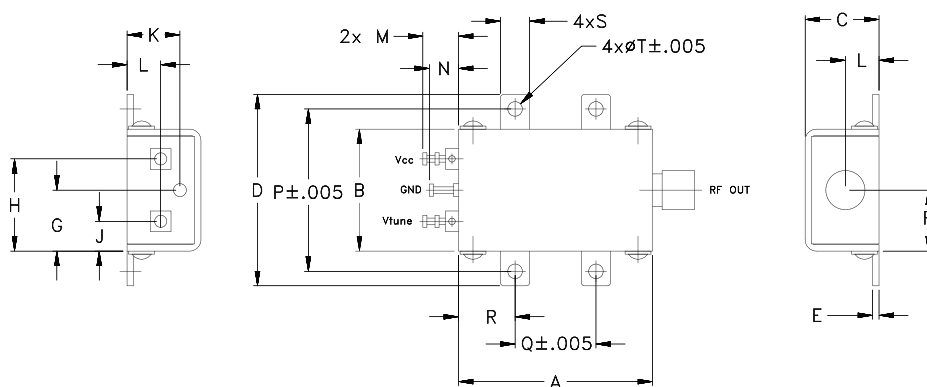
MODEL NO.	FREQ. (MHz)		POWER OUTPUT (dBm)	PHASE NOISE dBc/Hz SSB at offset frequencies,kHz Typ.				TUNING					NON HARMONIC SPURIOUS (dBc)	HARMONICS (dBc)		PULLING pk-pk @12 dB R (MHz)	PUSHING (MHz/V)	DC OPERATING POWER Vcc Current (volts) (mA)	
								VOLTAGE RANGE (V)	SENSI- TIVITY (MHz/V)	PORT CAP (pF)	3 dB MODULATION BANDWIDTH (MHz)								
	Min.	Max.	Typ.	1	10	100	1000	Min.	Max.	Typ.	Typ.	Typ.	Typ.	Typ.	Max.	Typ.	Typ.	Max.	
ZX95-3760+	3200	3760	+7.5	-69	-96	-117	-138	0.5	15	56-67	12	600	-90	-28	-18	3	1	5	48

Maximum Ratings

Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Max. Supply Voltage (Vcc)	7V
Absolute Max. Tuning Voltage (Vtune)	17V
All specifications	50 ohm system

Permanent damage may occur if any of these limits are exceeded.

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt.
1.20	.75	.46	1.18	.04	.38	.38	.57	.18	.33	.21	.22	.18	1.00	.50	.35	.18	.106	grams
30.48	19.05	11.68	29.97	1.02	9.65	9.65	14.48	4.57	8.38	5.33	5.59	4.57	25.40	12.70	8.89	4.57	2.69	35.0

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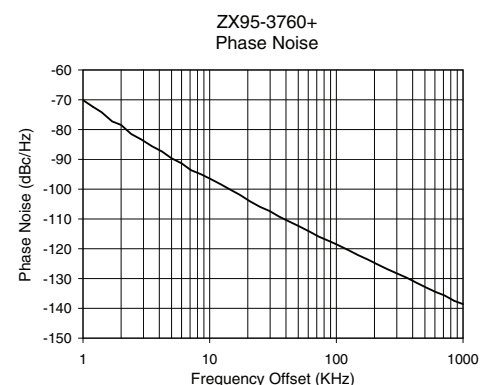
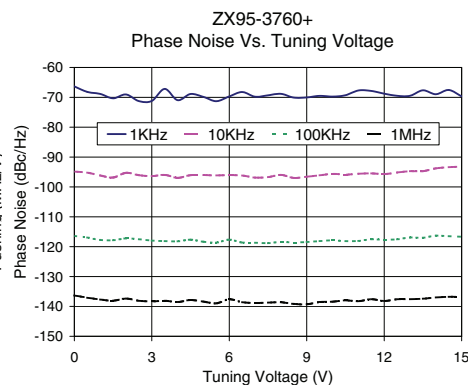
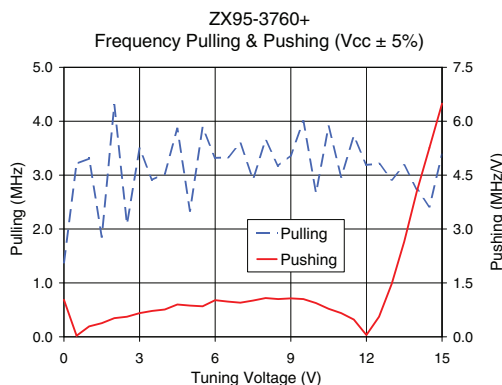
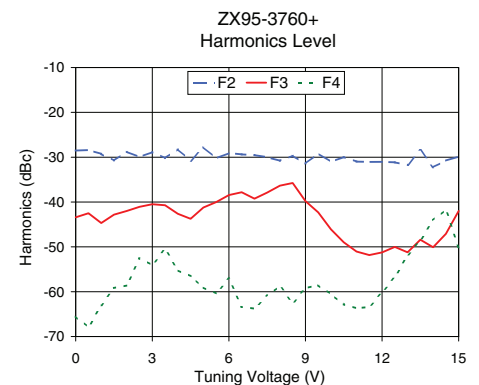
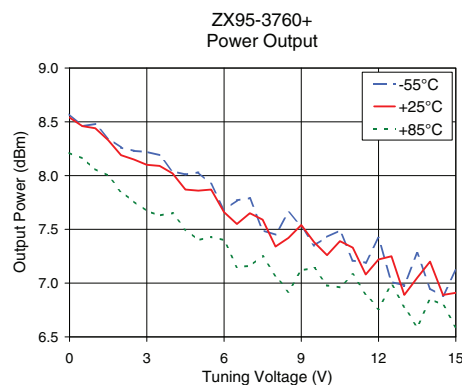
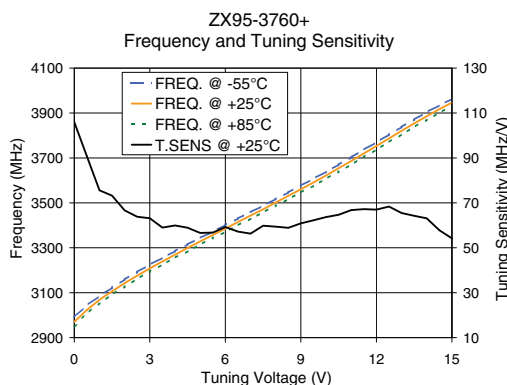
REV. OR
M108616
EDR-8383SA
ZX95-3760+
RAV
120909
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Performance Data & Curves*

ZX95-3760+

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			Icc (mA)	HARMONICS (dBc)			FREQ. PUSH (MHz/V)	FREQ. PULL (MHz)	PHASE NOISE (dBc/Hz) at offsets				FREQ OFFSET (KHz)	PHASE NOISE at 3480 MHz (dBc/Hz)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C		F2	F3	F4			1kHz	10kHz	100kHz	1MHz		
0.00	105.96	2991.3	2969.9	2951.3	8.57	8.54	8.21	40.67	-28.5	-43.4	-65.6	1.03	1.38	-66.3	-94.9	-116.4	-136.3	1.0	-70.12
0.50	90.78	3043.5	3022.9	3007.4	8.46	8.46	8.16	40.64	-28.4	-42.5	-67.9	0.03	3.21	-68.2	-95.2	-116.9	-137.1	2.0	-78.45
1.00	75.60	3085.4	3068.3	3053.6	8.48	8.44	8.06	40.66	-29.3	-44.7	-63.0	0.29	3.31	-68.9	-96.2	-117.8	-137.7	3.5	-85.57
1.50	73.20	3122.4	3106.1	3091.8	8.35	8.33	8.00	40.66	-30.8	-42.8	-59.2	0.38	1.86	-70.3	-96.8	-117.8	-138.1	6.0	-91.33
2.00	66.64	3159.2	3142.7	3127.5	8.26	8.19	7.85	40.60	-28.8	-42.0	-58.6	0.52	4.30	-69.0	-95.3	-117.3	-137.4	8.5	-94.97
2.50	63.82	3192.5	3176.0	3161.9	8.23	8.15	7.76	40.63	-30.0	-41.1	-52.6	0.56	2.10	-71.3	-96.1	-117.5	-138.1	10.0	-96.42
3.00	63.14	3224.7	3207.9	3193.8	8.22	8.10	7.67	40.63	-28.9	-40.5	-54.1	0.66	3.49	-71.2	-96.4	-118.0	-138.3	20.8	-104.07
4.00	59.93	3284.8	3269.0	3255.4	8.04	8.02	7.65	40.68	-28.2	-42.6	-55.2	0.76	3.03	-71.0	-97.0	-118.2	-138.5	35.5	-109.25
5.00	56.60	3343.9	3328.4	3314.3	8.03	7.86	7.40	40.73	-27.8	-41.2	-59.1	0.87	2.34	-69.9	-96.0	-118.3	-138.4	60.7	-114.12
6.00	59.22	3401.5	3385.1	3370.9	7.68	7.66	7.40	40.72	-29.1	-38.5	-57.1	1.02	3.32	-69.7	-96.0	-117.7	-137.6	86.7	-117.31
7.00	56.29	3458.4	3443.3	3429.3	7.79	7.65	7.16	40.87	-29.5	-39.3	-63.8	0.95	3.59	-69.8	-96.9	-118.7	-138.8	100.0	-118.50
8.00	59.41	3517.3	3501.4	3486.6	7.45	7.34	7.07	40.89	-30.8	-36.4	-58.7	1.08	3.65	-68.8	-96.0	-118.4	-138.6	148.1	-122.11
9.00	60.89	3576.4	3560.5	3546.2	7.53	7.54	7.12	41.01	-31.4	-39.8	-59.2	1.07	3.37	-70.0	-96.6	-118.5	-139.3	177.0	-123.62
10.00	63.67	3638.4	3622.1	3607.1	7.43	7.26	6.98	41.09	-31.0	-46.1	-60.6	0.94	2.68	-69.8	-95.6	-117.9	-138.4	211.6	-125.26
11.00	66.77	3703.2	3686.3	3670.7	7.21	7.33	7.08	41.18	-31.0	-51.0	-63.7	0.66	2.97	-67.7	-95.6	-118.1	-138.3	302.4	-128.32
12.00	67.01	3770.0	3753.3	3737.5	7.42	7.22	6.76	41.32	-31.0	-51.2	-60.2	0.05	3.19	-68.8	-95.7	-117.7	-138.2	361.5	-129.78
13.00	65.50	3837.9	3821.0	3804.6	6.98	6.89	6.78	41.43	-31.7	-51.2	-51.9	1.47	2.92	-69.5	-94.7	-116.9	-137.6	507.5	-132.95
14.00	63.12	3903.5	3885.8	3869.6	6.95	7.20	6.85	41.50	-32.3	-50.1	-44.0	4.05	2.74	-69.0	-93.8	-116.3	-137.0	606.7	-134.49
14.50	57.80	3934.2	3917.4	3901.1	6.88	6.89	6.80	41.58	-30.8	-47.1	-41.7	5.26	2.42	-67.5	-93.4	-116.5	-136.8	851.6	-137.47
15.00	54.21	3963.1	3946.3	3930.5	7.12	6.91	6.59	41.62	-29.8	-42.0	-50.2	6.49	3.38	-69.7	-93.2	-116.7	-136.8	1000.0	-138.58

*at 25°C unless mentioned otherwise



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