

Coaxial

# Voltage Controlled Oscillator

## ZX95-3265+

Linear Tuning 3020 to 3265 MHz

### Features

- Linear tuning characteristics
- Low phase noise
- Low pushing
- Low pulling
- Protected by US patent 6,790,049



CASE STYLE: GB956

### Applications

- R&D
- LAB
- Instrumentation
- Wireless communications
- Military & avionics

Connectors	Model	Price	Qty.
SMA	ZX95-3265-S+	\$ 40.95 ea.	(1-9)

**+ RoHS compliant in accordance with EU Directive (2002/95/EC)**

*The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.*

### Electrical Specifications

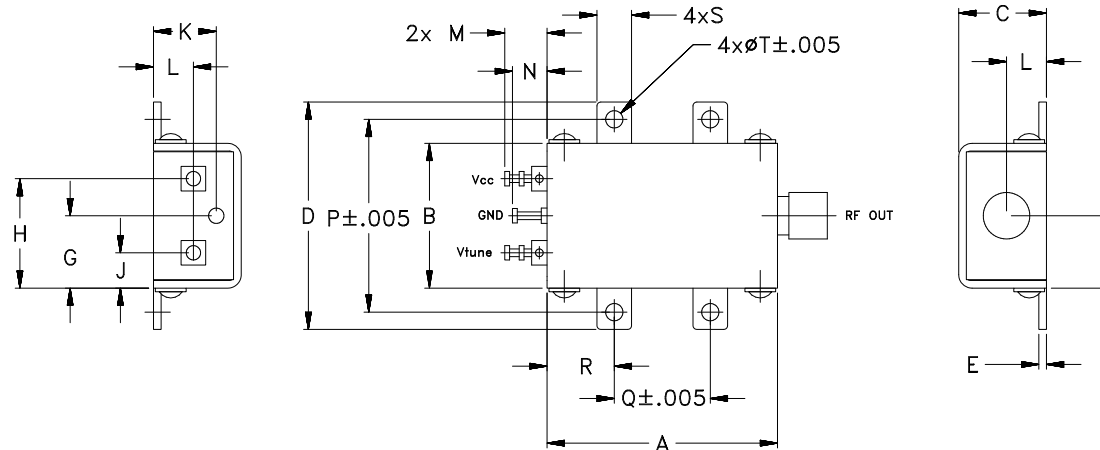
MODEL NO.	FREQ. (MHz)		POWER OUTPUT (dBm)	PHASE NOISE dBc/Hz SSB at offset frequencies, kHz				TUNING				NON HARMONIC SPURIOUS (dBc)	HARMONICS (dBc)		PULLING pk-pk @ 12 dB (MHz)	PUSHING (MHz/V)	DC OPERATING POWER				
	Min.	Max.		Typ.	1	10	100	1000	VOLTAGE RANGE (V)	SENSITIVITY (MHz/V)	PORT CAP (pF)		3 dB MODULATION BANDWIDTH (MHz)	Typ.			Max.	Typ.	Typ.	Vcc	Current
									Min.	Max.	Typ.		Typ.	Typ.						Max.	(volts)
ZX95-3265+	3020	3265	+5.3	-73	-98	-118	-138	0.5	10	38 - 43	24	90	-90	-30	-20	2	2.8	6.5	43		

### Maximum Ratings

Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Max. Supply Voltage (Vcc)	8V
Absolute Max. Tuning Voltage (Vtune)	12V
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	.45	.57	.18	.33	.21	.22	.18	1.00	.50	.35	.18	.106	GRAM
30.48	19.05	11.68	29.97	1.02	9.65	11.43	14.48	4.57	8.38	5.33	5.59	4.57	25.40	12.70	8.89	4.57	2.69	35.0



For detailed performance specs & shopping online see web site

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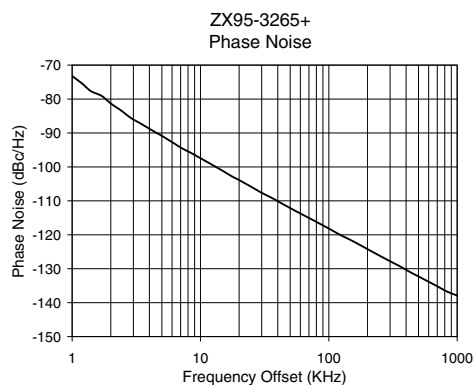
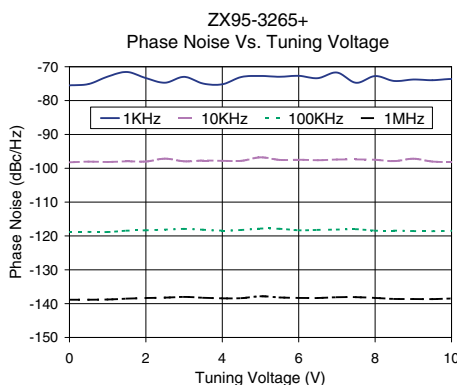
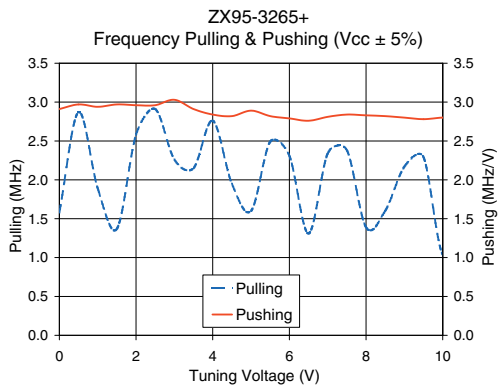
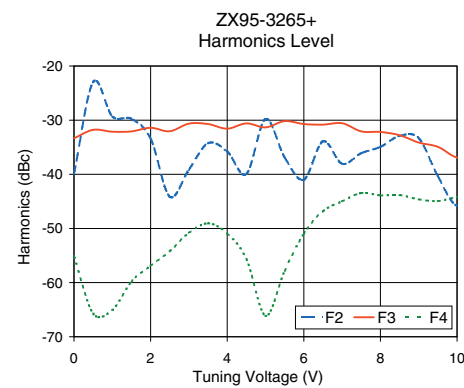
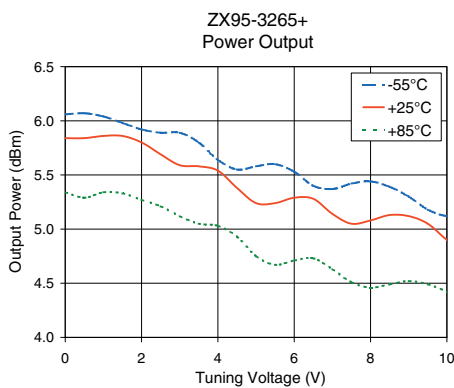
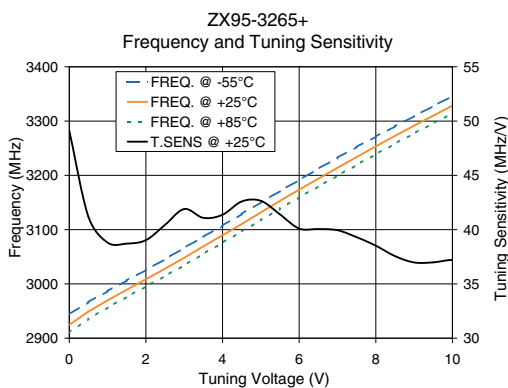
REV. OR  
M121573  
EDR-9241F2  
ZX95-3265+  
RAV  
090903  
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# Performance Data & Curves\*

# ZX95-3265+

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 3143 MHz (dBc/Hz)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C		F2	F3	F4			1kHz	10kHz	100kHz	1MHz		
0.00	49.11	2943.9	2924.6	2910.5	6.06	5.84	5.34	37.41	-39.9	-33.3	-55.1	2.91	1.58	-75.5	-98.3	-118.8	-138.9	1.0	-73.19
1.00	38.81	2986.8	2969.8	2956.7	6.04	5.86	5.34	37.40	-29.3	-32.1	-65.1	2.94	1.89	-72.9	-98.2	-118.8	-138.8	2.0	-81.32
1.50	38.71	3006.4	2989.2	2976.0	5.98	5.86	5.33	37.38	-29.7	-32.1	-59.9	2.97	1.37	-71.6	-98.0	-118.4	-138.5	3.5	-87.44
2.00	39.03	3025.7	3008.5	2995.3	5.92	5.80	5.27	37.36	-33.4	-31.4	-56.9	2.96	2.58	-73.4	-98.0	-118.3	-138.3	6.0	-92.70
2.50	40.45	3045.8	3028.0	3014.7	5.89	5.69	5.21	37.34	-44.1	-32.0	-54.2	2.96	2.91	-74.7	-97.2	-118.1	-138.2	8.5	-95.93
3.00	41.90	3066.5	3048.3	3034.5	5.89	5.59	5.12	37.31	-39.1	-30.6	-50.8	3.03	2.26	-73.0	-97.9	-117.9	-138.0	10.0	-97.44
3.50	41.08	3086.8	3069.2	3055.3	5.80	5.58	5.05	37.32	-34.3	-30.7	-49.1	2.91	2.15	-75.0	-97.7	-118.2	-138.3	20.8	-104.22
4.00	41.37	3107.4	3089.8	3076.0	5.64	5.54	5.03	37.33	-35.8	-31.6	-50.9	2.84	2.76	-75.2	-97.8	-118.4	-138.4	35.5	-109.04
4.50	42.60	3128.9	3110.4	3096.6	5.55	5.38	4.93	37.31	-39.9	-30.6	-55.6	2.82	1.95	-73.0	-97.8	-118.2	-138.4	60.7	-113.81
5.00	42.65	3150.4	3131.7	3117.5	5.58	5.24	4.75	37.29	-29.8	-31.3	-66.1	2.89	1.60	-72.7	-96.8	-117.8	-137.8	86.7	-116.91
5.50	41.40	3171.2	3153.1	3138.8	5.60	5.24	4.67	37.30	-36.9	-30.2	-57.8	2.82	2.49	-73.0	-97.5	-117.9	-138.2	100.0	-118.18
6.00	40.10	3191.5	3173.8	3159.5	5.53	5.29	4.71	37.31	-41.0	-30.7	-51.0	2.79	2.31	-72.7	-97.5	-118.3	-138.3	148.1	-121.56
6.50	40.05	3212.1	3193.8	3179.6	5.40	5.28	4.73	37.32	-33.9	-30.8	-46.8	2.76	1.31	-73.4	-97.6	-118.2	-138.3	177.0	-123.13
7.00	39.95	3232.4	3213.8	3199.4	5.37	5.14	4.63	37.31	-38.1	-30.6	-45.0	2.81	2.34	-71.7	-97.4	-118.1	-138.1	211.6	-124.73
7.50	39.31	3252.2	3233.8	3219.2	5.42	5.05	4.51	37.31	-36.1	-32.1	-43.5	2.84	2.38	-74.8	-97.4	-118.0	-138.1	302.4	-127.86
8.00	38.52	3271.5	3253.5	3238.9	5.44	5.08	4.46	37.32	-34.9	-32.2	-43.9	2.83	1.39	-72.8	-97.5	-118.4	-138.3	361.5	-129.38
8.50	37.56	3290.4	3272.7	3258.2	5.39	5.13	4.49	37.32	-32.9	-32.8	-43.9	2.82	1.60	-74.2	-97.9	-118.4	-138.6	507.5	-132.41
9.00	36.98	3309.0	3291.5	3277.2	5.30	5.12	4.52	37.32	-33.4	-34.1	-44.6	2.80	2.17	-73.8	-97.2	-118.6	-138.6	606.7	-133.93
9.50	36.99	3327.6	3310.0	3295.9	5.18	5.05	4.49	37.32	-40.3	-34.9	-44.9	2.78	2.29	-74.0	-98.0	-118.6	-138.7	851.6	-136.87
10.00	37.20	3346.2	3328.5	3314.4	5.12	4.90	4.42	37.31	-45.8	-36.9	-44.2	2.80	1.04	-73.6	-98.2	-118.5	-138.5	1000.0	-137.91

\*at 25°C unless mentioned otherwise



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