

# COAXIAL RESONATOR OSCILLATOR

## SURFACE MOUNT MODEL: SYN1818N

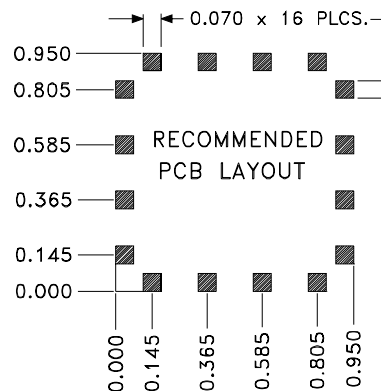
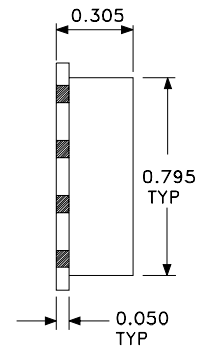
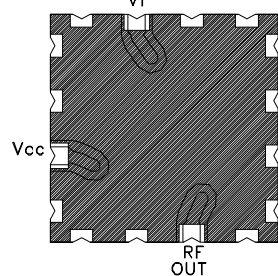
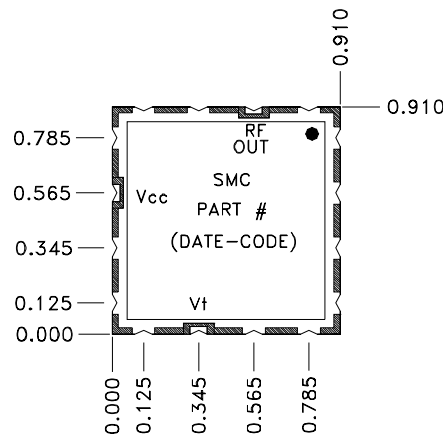
ULTRA LOW-NOISE

1877-1889 MHz

### SPECIFICATIONS

<b>Oscillator Frequency Range:</b>	1877-1889 MHz	<b>SSB Phase Noise:</b>	
<b>Tuning Voltage:</b>	1 to 9 V (Max)	@ 1 kHz offset	-80 dBc/Hz
<b>Tuning Sensitivity:</b>	3 to 5 MHz/V (Typ)	@ 10 kHz offset	-110 dBc/Hz
<b>Output Power:</b>	3 dBm $\pm$ 2dB	@ 100 kHz offset	-130 dBc/Hz
<b>Bias Voltage:</b>	9 VDC @ 30mA	<b>Pulling:</b>	2 MHz @ 1.75:1 VSWR
<b>Harmonic Suppression:</b>	-10 dBc (Typ)	<b>Pushing:</b>	1 MHz/V(Typ)
		<b>Operating Temp. Range:</b>	-30° to +60°C

### MECHANICAL OUTLINE: 165SL

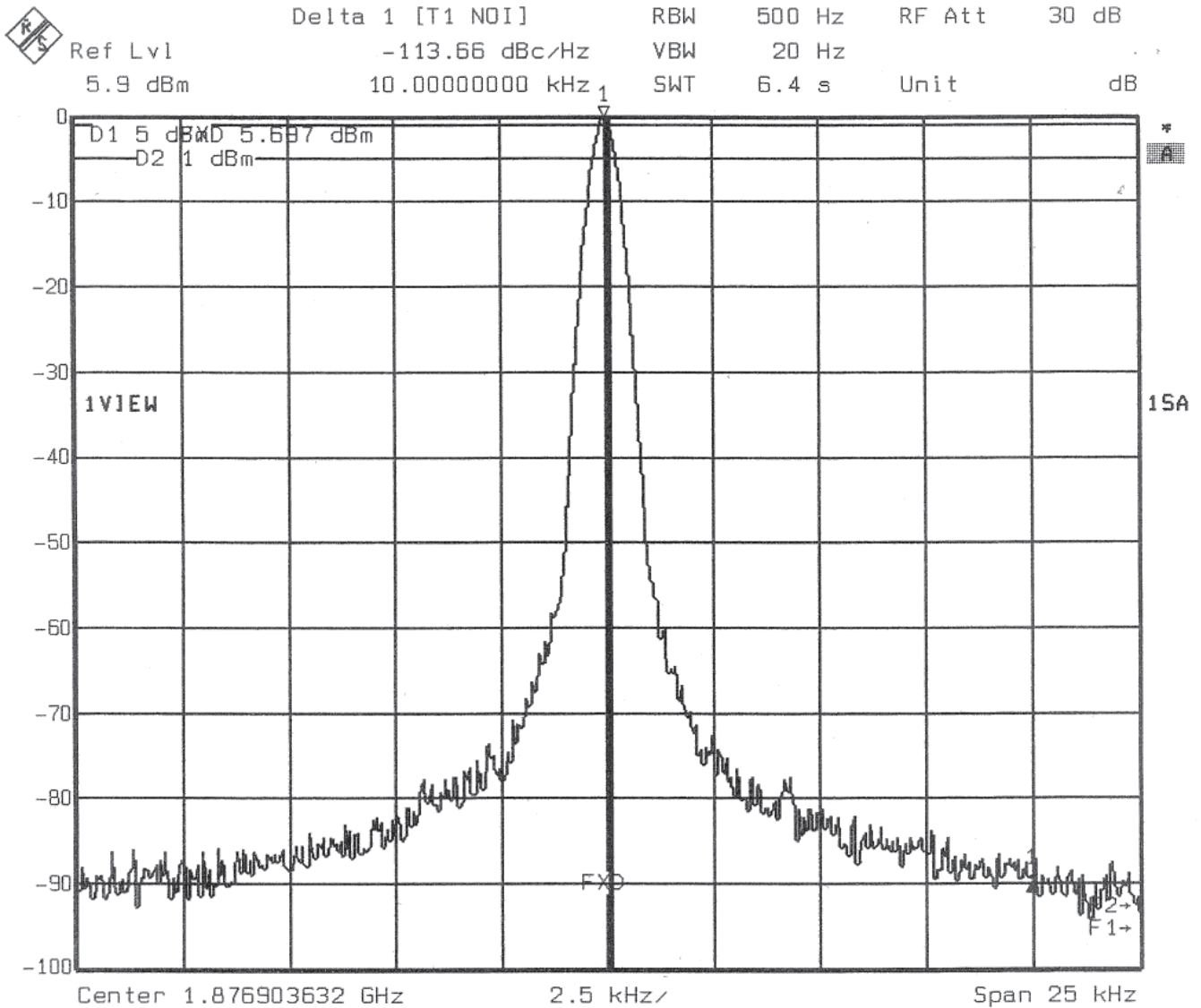


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## PERFORMANCE PLOTS

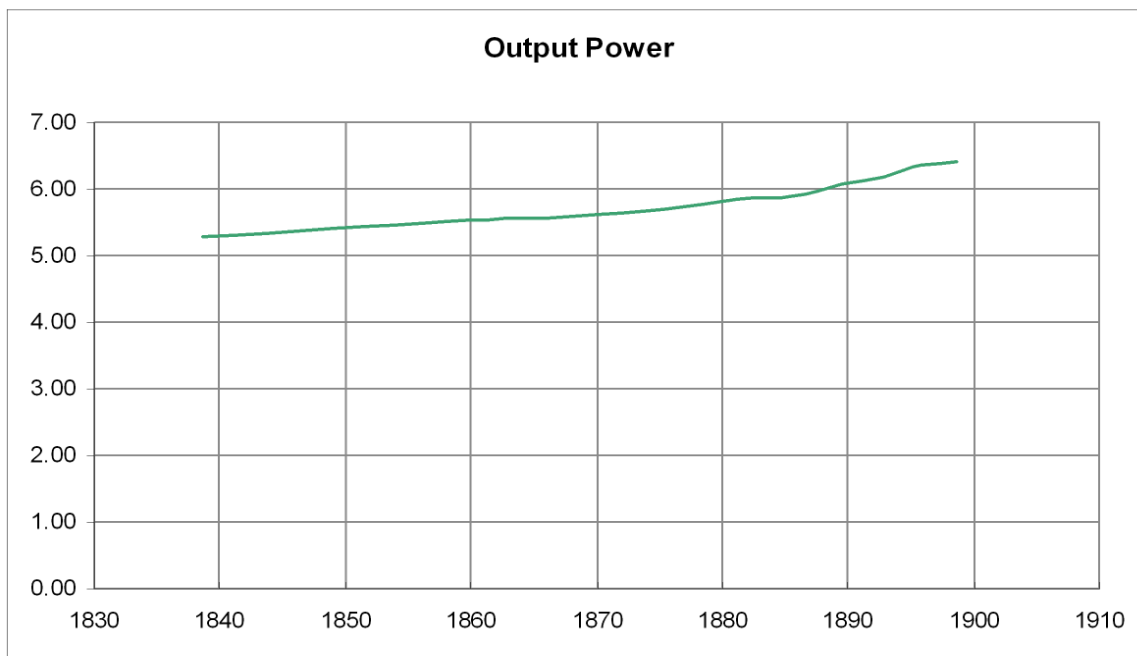
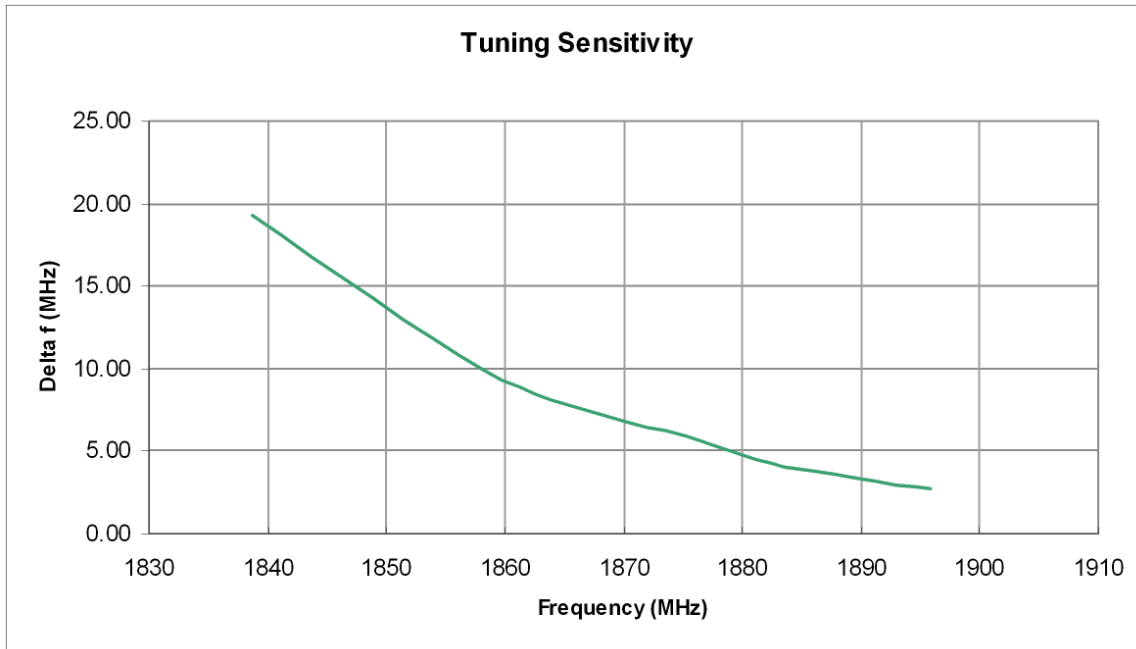


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