

BOWEI INTEGRATED CIRCUITS CO.,LTD.



Features

- Built-in buffer amplifier low frequency pulling
- Dual output flexible tuning design
- Perfect tuning linearity thin film hybrid construction
- ●TO-8E、SMO-8E、SP-1 package
- Operating temperature range: -55°C∼+85°C

Specifications(Ta=25°C, Vcc=+12V)

Parameter	Symbol	Unit	Guaranteed	Typical	Test Condition
Primary Frequency Range	$f_{\scriptscriptstyle L}{\sim}f_{\scriptscriptstyle H}$	MHz	800~1200	_	V _{т1} :0∼15V
Fine Frequency Range	_	MHz	_	15	V _{T2} :0∼10V
Main Output	P _{o1}	dBm	≥13	_	V _{T1} =10V, V _{T2} =5V
Aux Output	P _{o2}	dBm	_	0	_
Power Output Variation	$\triangle P_{o}$	dB	≤±1.5	_	f _{L-H} :800 ~ 1200MHz
Primary Tuning Voltage	V _{T1}	V	0~15	_	_
Fine Tuning Voltage	V_{T2}	V	0~10	_	_
Pushing	K _{vc}	MHz/V	_	2. 0	V_{cc} =11 \sim 13V, V_{T1} =10V, V_{T2} =5V
Spurious	R _{fs}	dBc	≤-70	_	f_{L-H} : 800 ~ 1200MHz
Harmonics	R _{fn}	dBc	_	-15	f_{L-H} : 800 ~ 1200MHz
SSB Phase Noise	S⊕	dBc/Hz	_	-100	V ₇₁ =10V, V ₇₂ =5V , f _m =10KHz
Frequency Drift	△f	MHz	_	20	V _{T1} =10V, V _{T2} =5V , TA:-55∼+55℃
Current	I _{cc}	mA	_	70	-
Tuning Port Capacitance	C _⊤	pF	_	90	_

Absolute Ratings Maximum DC Voltage: +15V Maximum Tuning Voltage: +30V Minimum Tuning Voltage: -0.7V

Maximum Storage Temp: +125°C



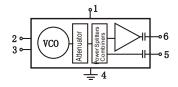


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Application Notes

- 1. Pin 5 should be connected 50 Ω load
- 2.See assembly section for mounting information 3.ESD observe hangling precautions
- 4. Specified specification available within frequency range 25~5000MHz





Typical Performance

