

VOLTAGE CONTROLLED OSCILLATOR SURFACE MOUNT MODEL: DTMFC-1025A

OPTIMIZED BANDWIDTH

1000 - 1700 MHz

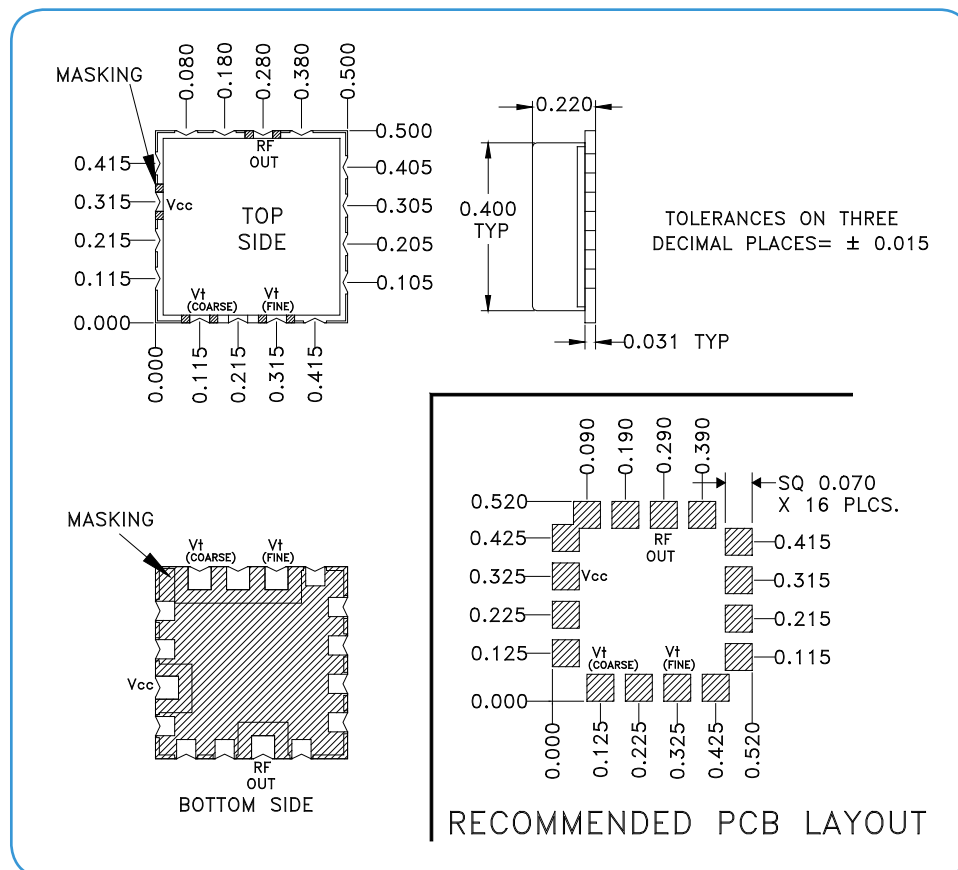
FEATURES:

- Exceptional Phase Noise Performance
- Dual Tuning Ports
- Small Size, Surface Mount

SPECIFICATIONS (Rev. "B" 12/07/06):

Oscillator Frequency Range:	1000-1700 MHz	Harmonic Suppression:	10 dBc (Min)
Tuning Voltage:(VDC)		Max. Phase Noise:(dBc/Hz)	
Coarse Tune:	0.5 to 15	@ 10 kHz offset	-100 (Max) / -103(Goal)
Fine Tune:	1 to 5	@ 100 kHz offset	-120 (Max) / -123(Goal)
Tuning Sensitivity: (MHz/V)		@ 1 MHz offset	-140 (Max) / -143(Goal)
Coarse Tune:	45 to 80	@ 10 MHz offset	Best Effort
Fine Tune:	9 to 16	Frequency Pulling:	15 MHz (Max) @ 1.75: VSWR
Modulation Bandwidth:	>10 MHz	Frequency Pushing:	4 MHz/V (Max)
Bias Voltage:	+8.0 VDC @ 40mA (Max)	Operating Temp. Range:	-40°C to +85°C
Output Power:	+5 dBm (Min)		
Output Impedance	50 ohms (Nom)		

MECHANICAL OUTLINE: 266



This product is manufactured under one or more of the following patents:

Approved: 5,160,810; 5,122,621; 5,390,349; 5,416,449; 5,650,754; 5,805,431; 6,525,623; 6,850,575; 7,088,189; 7,180,381
Pending: 60/493075; 60/501371 & 60/501790; 60/527957 & 60/528670; 60/563481; 60/564173; 60/589090; 60/601823;
60/605791; EV31369834; 11/259766; 60/622485 & 60/710310; 10/937525/60/736901; 60/732787

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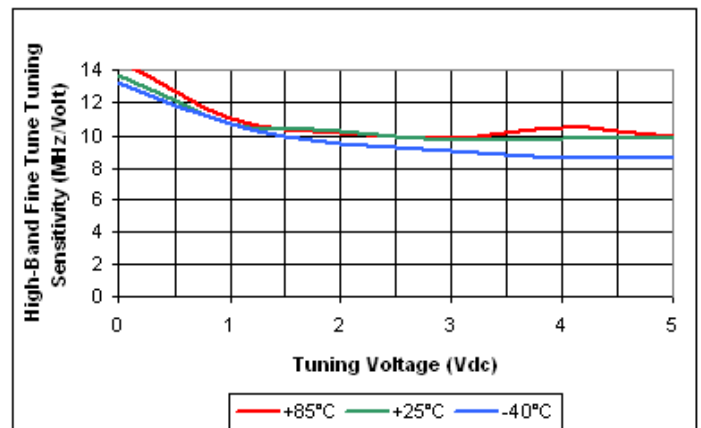
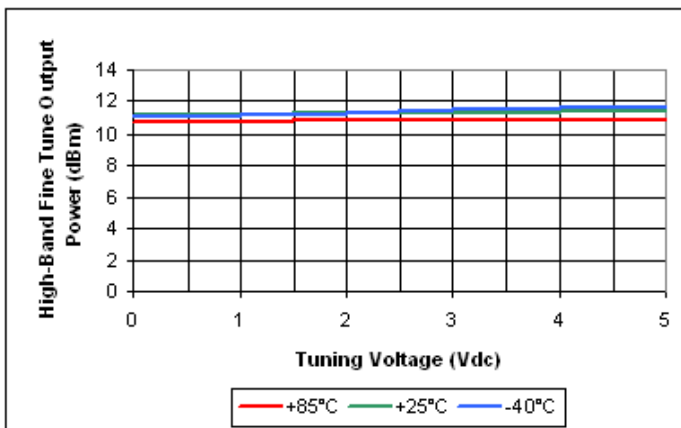
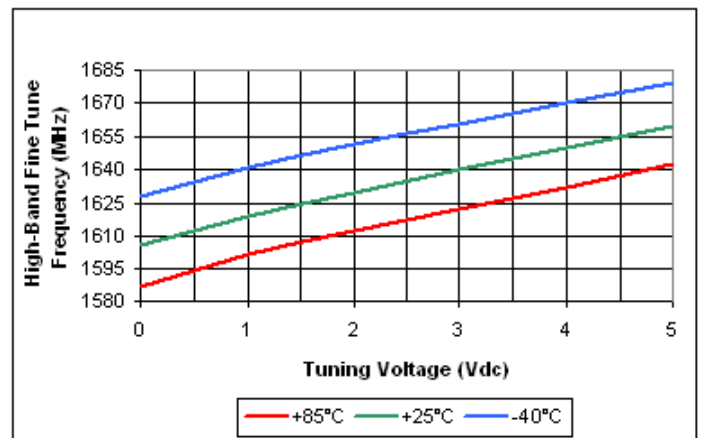
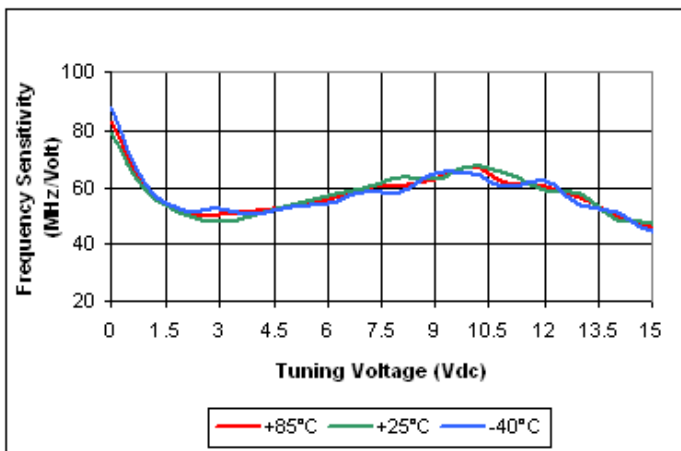
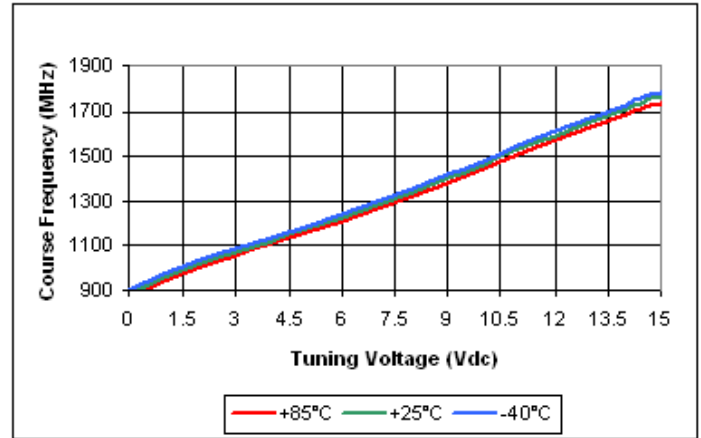
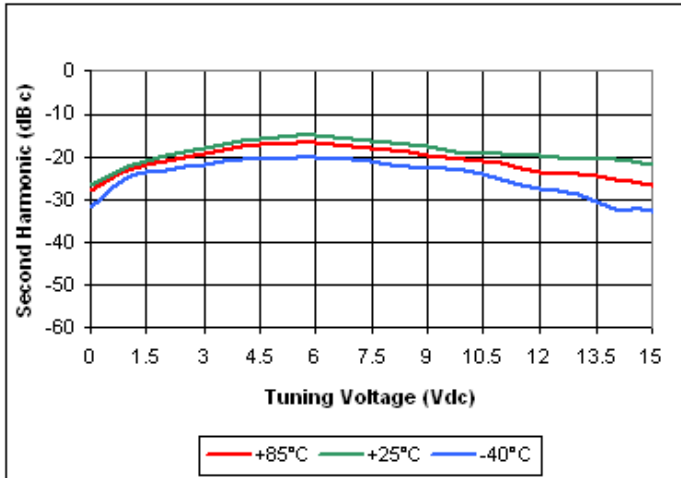


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PERFORMANCE PLOTS



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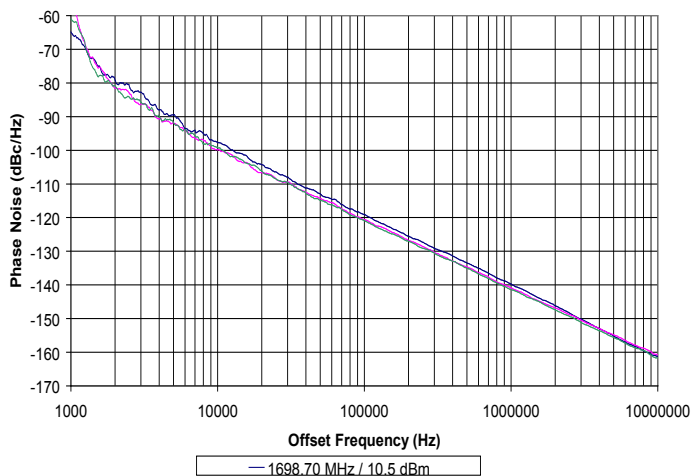
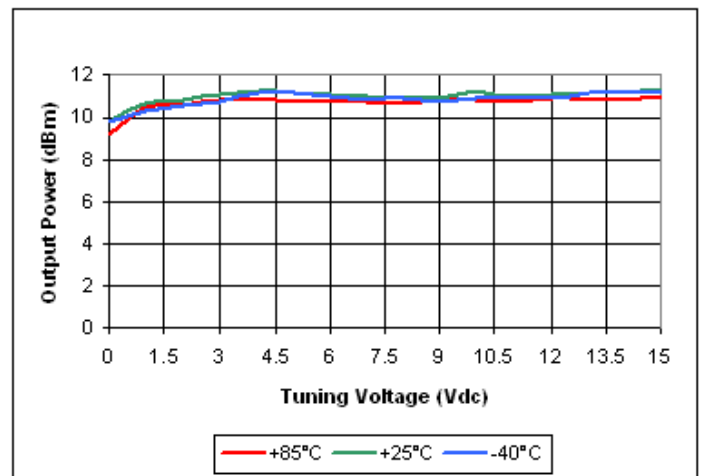
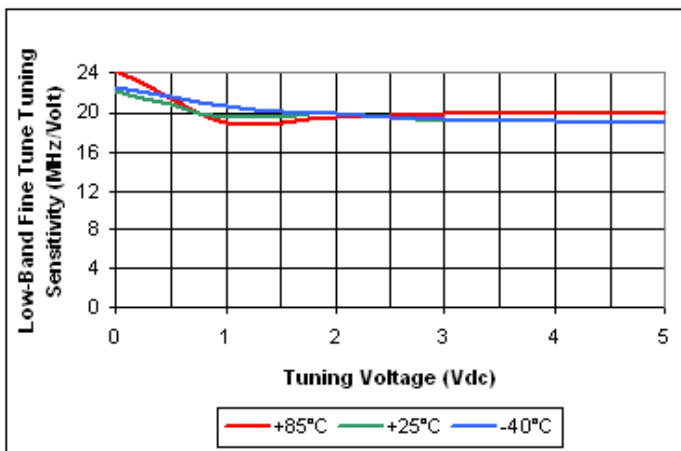
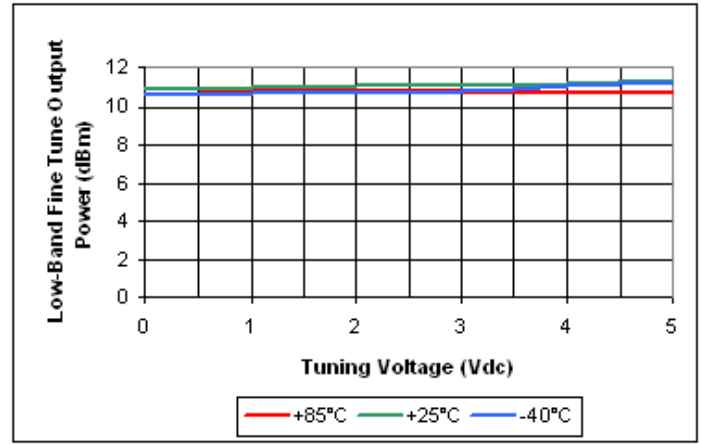
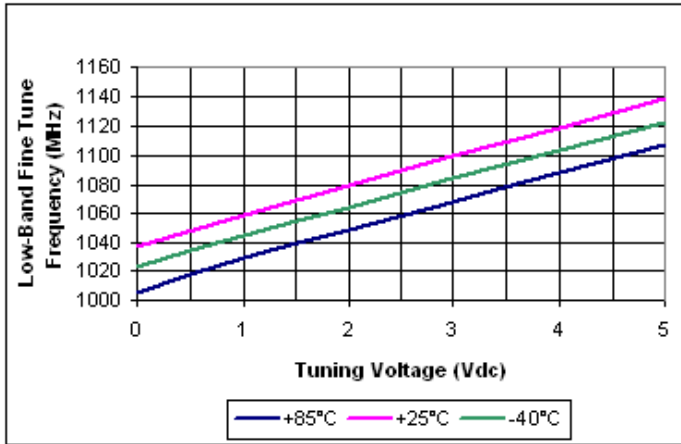


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