

VOLTAGE CONTROLLED OSCILLATOR

查询"DCRO335395-10"供应商

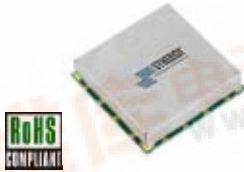
SURFACE MOUNT MODEL: DCRO335395-10

OPTIMIZED BANDWIDTH

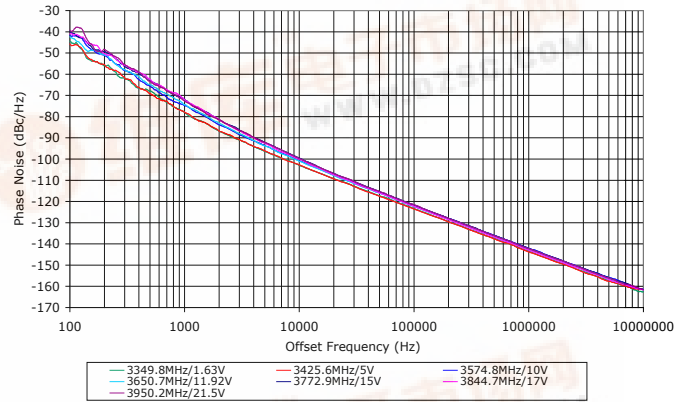
3350 - 3950 MHz

FEATURES:

- ▶ Exceptional Phase Noise Performance
- ▶ Small Size, Surface Mount
- ▶ Lead Free REL-PRO® Technology



Phase Noise



SPECIFICATIONS (Rev. C 05/29/08)

Frequency	3350 - 3950 MHz
Tuning Voltage	See table below.
Bias Voltage	+10 VDC @ 38 mA (Max.)
Output Power	+3 dBm (Min.)
Tuning Sensitivity	14 - 42 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	28 dB (Typ.)
Frequency Pulling	8 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	3 MHz/V (Typ.)
Tuning Port Capacitance	40 pF (Typ.)
Phase Noise @ 10 kHz	-101 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

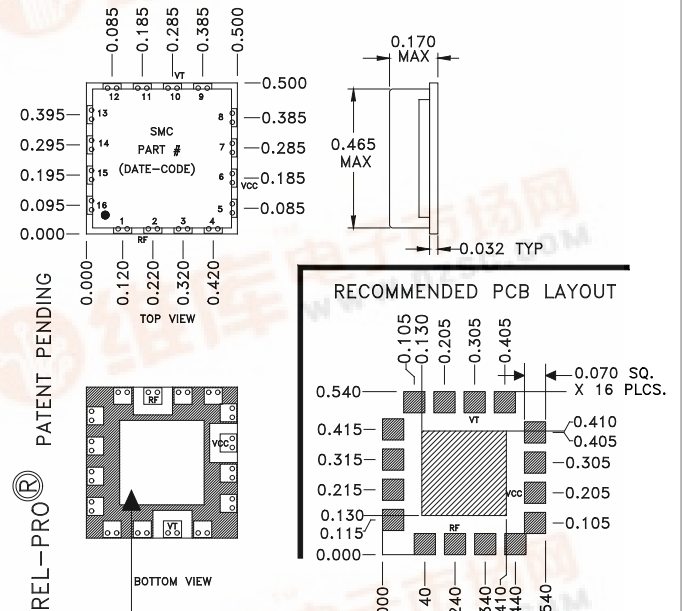
Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	3350 (Max)
5	3400 (Min)
8	3450 (Min)
12	3600 (Min)
15	3700 (Min)
18	3800 (Min)
24	3950 (Min)

Absolute Maximum Ratings

Storage Temp. Range	-55 to +125 °C
Bias Voltage	+10.5 V
Tuning Voltage	+28 V
DC Voltage Applied to RF Out	± 25 V

Package # 278LF



This product is manufactured under one or more of the following patents: Approved: 5,180,810; 5,122,621; 5,390,346; 5,416,446; 5,630,754; 5,805,431; 6,325,623; 6,806,573; 7,088,189; 7,180,381; 7,185,591; 7,262,670; 7,263,642; 7,292,113
 Pending: 66/48,307; 60/501,371 & 65/581,794; 60/507,957 & 65/536,673; 60/263,481; 60/564,173; 60/580,083; 60/607,822; 60/605,079; EV312683034;
 11/231,768; 60/622,485 & 66/710,119; 10/607,325 & 07/369,011; 60/730,737

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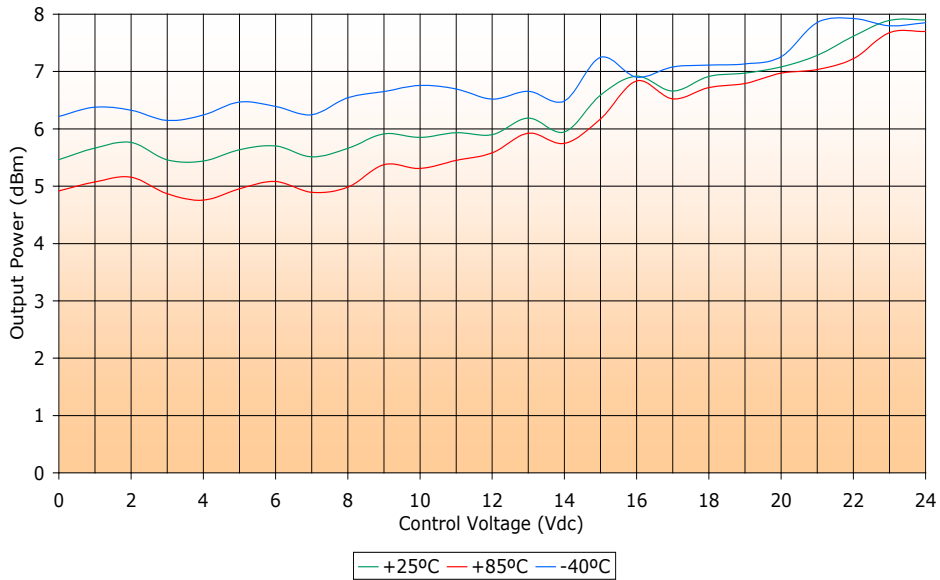
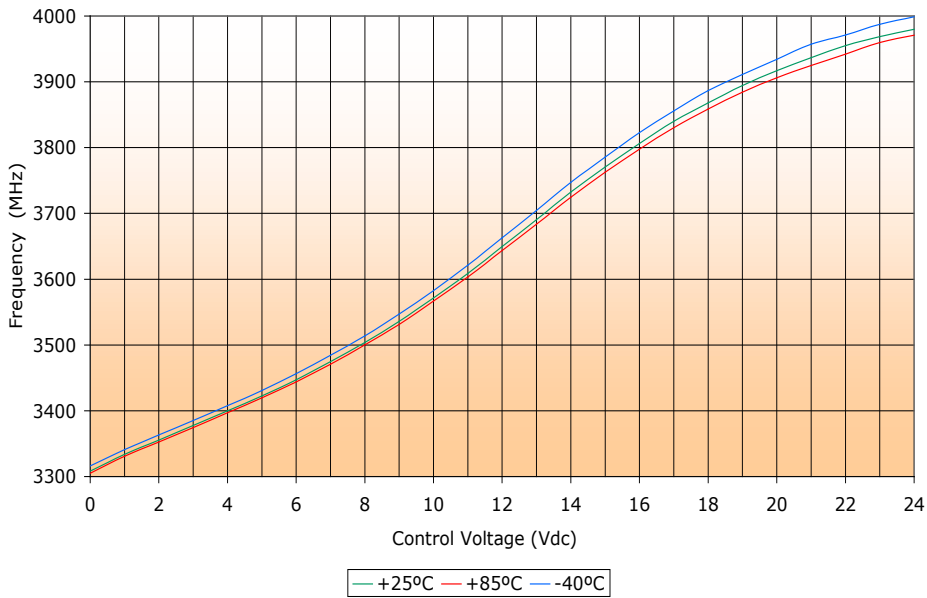
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PERFORMANCE PLOTS



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 Pending: 6549,3075; 60501371 & 65581796; 60507957 & 65538675; 60263481; 60564173; 60580083; 60661822; 60605791; EV31268034; 11,258,768; 60622485 & 65710219; 1060732560736901; 60732787

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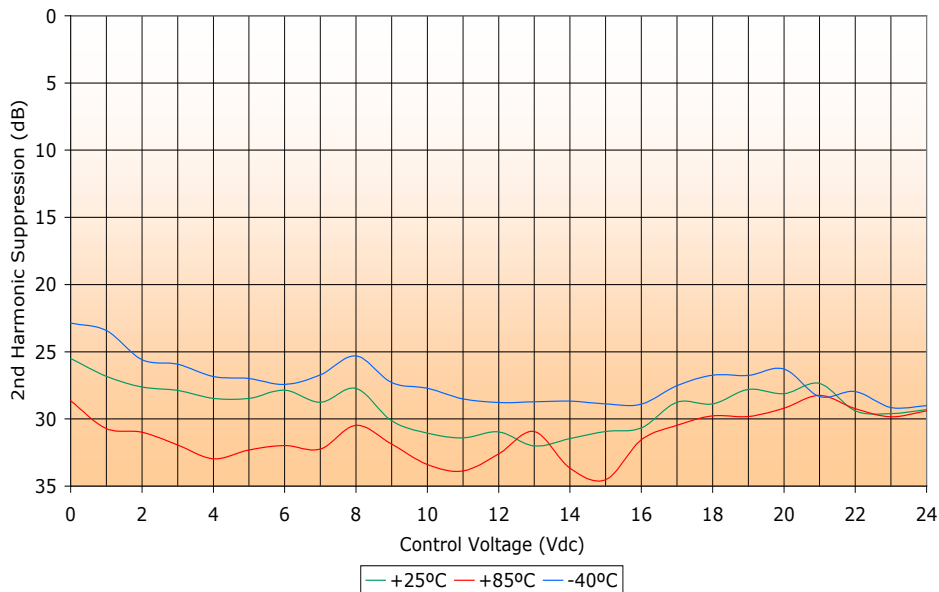
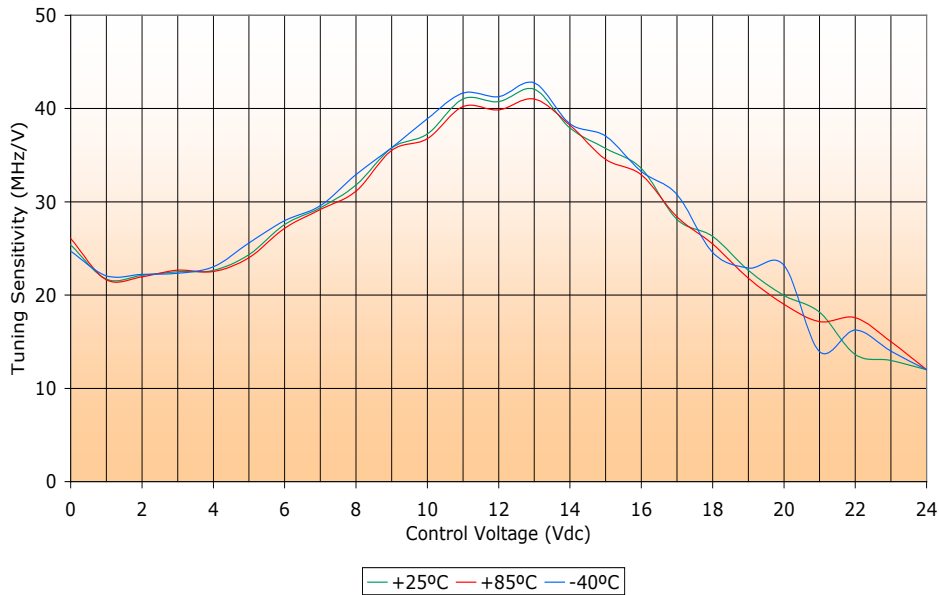
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Pending: 6,548,307; 6,550,1371 & 6,550,179; 6,552,7957 & 6,553,675; 6,563,481; 6,554,173; 6,556,083; 6,661,822; 6,665,579; EV31368034;
RU258768; 6,662,485 & 6,671,031; RU60732560736901; 6,673,2787

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