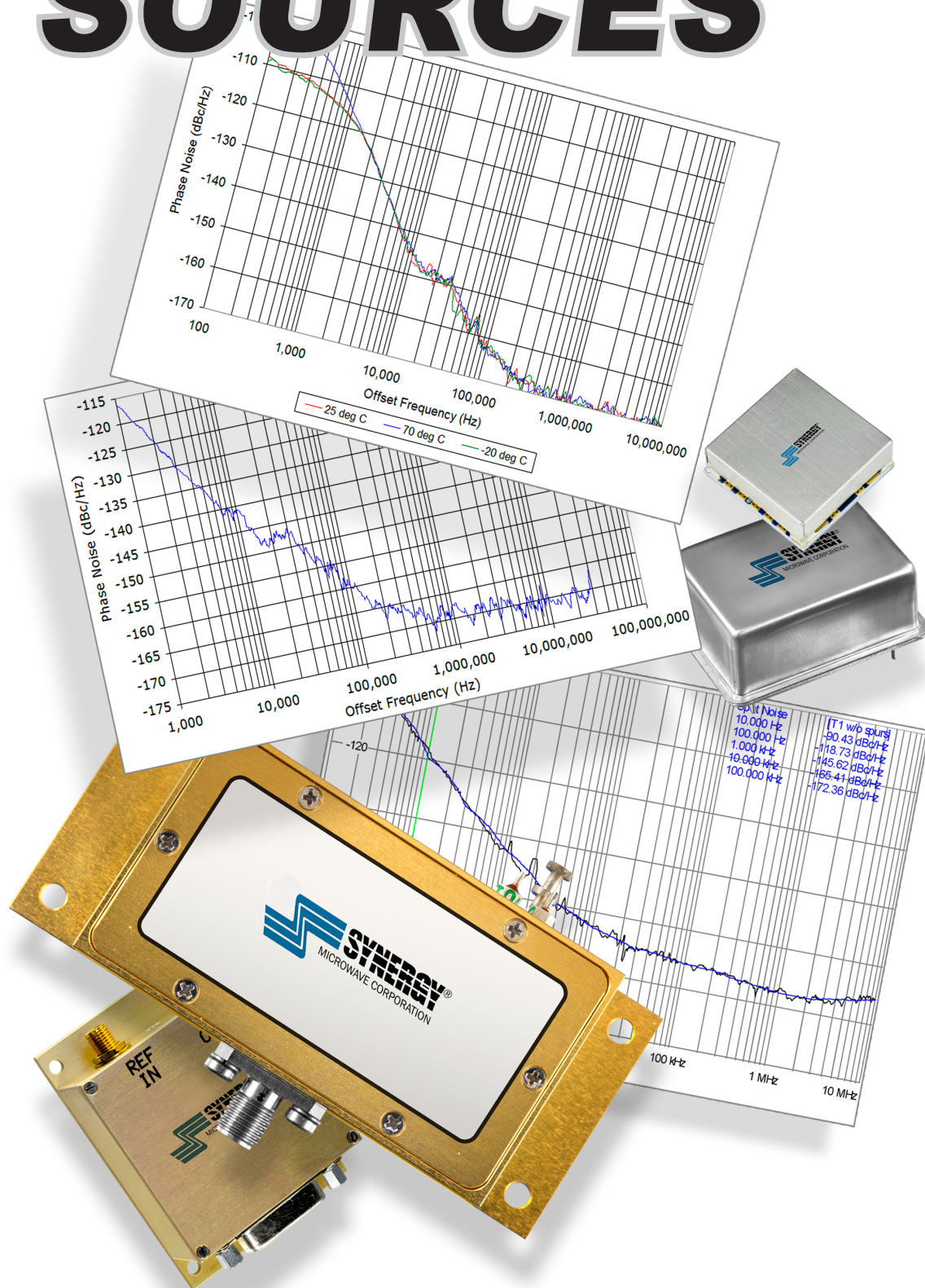


**HIGH PERFORMANCE**

# FREQUENCY SOURCES



## REFERENCE TRANSLATORS

| Model              | Frequency<br>( MHz ) | Reference Input<br>Frequency ( MHz ) | Reference<br>Input Level | DC Bias<br>VDC | Minimum<br>Output Power<br>( dBm ) |  | Spurious<br>Suppression<br>( dB ) [ Typ. ] | Harmonic Suppression<br>(dBc) [ Typ. ] | Phase Noise ( dBc/Hz ) [ Typ. ] |              |               |                | PKG#  |
|--------------------|----------------------|--------------------------------------|--------------------------|----------------|------------------------------------|--|--------------------------------------------|----------------------------------------|---------------------------------|--------------|---------------|----------------|-------|
|                    |                      |                                      |                          |                |                                    |  |                                            |                                        | 100 Hz offset                   | 1 kHz offset | 10 kHz offset | 100 kHz offset |       |
| LNFTD-10-120240-12 | 120 / 240            | 10                                   | +7 ± 6 dBm               | +12            | +7                                 |  | 80                                         | 80                                     | -125                            | -150         | -165          | -167           | 435   |
| VFCTS100-10        | 100                  | 10                                   | 1.0 - 3.3 VDC, p-p       | +5             | +7                                 |  | 80                                         | 20                                     | -110                            | -140         | -156          | -165           | 453   |
| VFCTS105-10        | 105                  | 10                                   | 1.0 - 3.3 VDC, p-p       | +5             | +7                                 |  | 80                                         | 32                                     | -110                            | -140         | -156          | -165           | 453   |
| VFCTS120-10        | 120                  | 10                                   | 1.0 - 3.3 VDC, p-p       | +5             | +7                                 |  | 80                                         | 28                                     | -110                            | -140         | -156          | -165           | 453   |
| VFCTS125-10        | 125                  | 10                                   | 1.0 - 3.3 VDC, p-p       | +5             | +8                                 |  | 80                                         | 28                                     | -110                            | -140         | -156          | -165           | 453   |
| VFCTS128-10        | 128                  | 10                                   | 1.0 - 3.3 VDC, p-p       | +5             | +8                                 |  | 80                                         | 20                                     | -100                            | -130         | -155          | -160           | 453   |
| FCTS800-10-5       | 800                  | 10                                   | 1.0 - 3.3 VDC, p-p       | +5; +12        | 0                                  |  | 80                                         | 18                                     | -87                             | -116         | -144          | -158           | 273LF |
| KFCTS800-10-5      | 800                  | 10                                   | 1.0 - 3.3 VDC, p-p       | +5; +12        | +6                                 |  | 80                                         | 18                                     | -87                             | -116         | -144          | -158           | 315   |
| FCTS1000-10-5      | 1000                 | 10                                   | 1.0 - 3.3 VDC, p-p       | +5; +12        | -3                                 |  | 80                                         | 25                                     | -80                             | -115         | -141          | -158           | 273LF |
| KFCTS1000-10-5     | 1000                 | 10                                   | 1.0 - 3.3 VDC, p-p       | +5; +12        | +5                                 |  | 80                                         | 25                                     | -80                             | -115         | -141          | -158           | 337   |
| FSA1000-100        | 1000                 | 100                                  | 1.0 - 3.3 VDC, p-p       | +3.3; +5; +12v | +5                                 |  | 80                                         | 15                                     | -105                            | -115         | -145          | -160           | 344   |
| KFSA1000-100       | 1000                 | 100                                  | 1.0 - 3.3 VDC, p-p       | +12v           | +5                                 |  | 80                                         | 15                                     | -105                            | -115         | -145          | -160           | 372   |
| FXLNS-1000         | 1000                 | 100                                  | +13 ± 3 dBm              | +5; +12        | -2                                 |  | 55                                         | 35                                     | -120                            | -140         | -149          | -154           | 344   |
| KFXLNS-1000        | 1000                 | 100                                  | +13 ± 3 dBm              | +12            | -5                                 |  | 80                                         | 35                                     | -120                            | -140         | -149          | -154           | 347   |
| FCTS1000-100-5     | 1000                 | 100                                  | 1.0 - 3.3 VDC, p-p       | +5; +12        | -3                                 |  | 80                                         | 25                                     | -80                             | -115         | -141          | -158           | 273LF |
| KFCTS1000-100-5    | 1000                 | 100                                  | 1.0 - 3.3 VDC, p-p       | +5; +12        | -3                                 |  | 80                                         | 25                                     | -80                             | -115         | -141          | -158           | 337   |
| FCTS2000-10-5      | 2000                 | 10                                   | 1.0 - 3.3 VDC, p-p       | +5; +12        | +5                                 |  | 80                                         | 20                                     | -80                             | -105         | -135          | -158           | 273LF |
| FCTS2000-100-5     | 2000                 | 100                                  | 1.0 - 3.3 VDC, p-p       | +5; +12        | +5                                 |  | 80                                         | 20                                     | -80                             | -105         | -135          | -158           | 197LF |
| KFCTS2000-100-5    | 2000                 | 100                                  | 1.0 - 3.3 VDC, p-p       | +5; +12        | +5                                 |  | 80                                         | 20                                     | -80                             | -105         | -135          | -158           | 399   |

## OVEN CONTROLLED CRYSTAL OSCILLATORS

| Model         | Frequency<br>( MHz ) | Frequency Tuning<br>Range ( PPM ) | Tuning Voltage<br>Range ( VDC ) | DC Bias VDC<br>@ I (Max.) | Minimum<br>Output Power<br>( dBm ) |  | Tuning Range<br>(ppm) [Typ.] | Frequency Stability<br>( ppm ) [ Typ. ] | Phase Noise ( dBc/Hz ) [ Typ. ] |              |               |                | PKG# |
|---------------|----------------------|-----------------------------------|---------------------------------|---------------------------|------------------------------------|--|------------------------------|-----------------------------------------|---------------------------------|--------------|---------------|----------------|------|
|               |                      |                                   |                                 |                           |                                    |  |                              |                                         | 100 Hz offset                   | 1 kHz offset | 10 kHz offset | 100 kHz offset |      |
| OXO10-1-348   | 10                   | +/-0.5 to +/- 1.5                 | 0 - 5                           | +12 @ 200 mA              | +5                                 |  | -20                          | 5x10-9                                  | -150                            | -160         | -165          | -170           | 348  |
| OXO10-1-349   | 10                   | +/-0.4                            | 0 - 5                           | +12 @ 200 mA              | +3                                 |  | -30                          | 7x10-9                                  | -150                            | -155         | -165          | -165           | 349  |
| OXO10-1-402   | 10                   | +/-0.4                            | 0.5 - 9.5                       | +12 @ 180 mA              | +8                                 |  | -30                          | 20x10-9                                 | -155                            | -165         | -175          | -175           | 402  |
| OXO10-1-412   | 10                   | +/-0.4                            | 0 - 5                           | +12 @ 200 mA              | +3                                 |  | -30                          | 7x10-9                                  | -150                            | -155         | -165          | -165           | 412  |
| OXO100-1-349  | 100                  | +/-1.5                            | 0 - 10                          | +12 @ 150 mA              | +7                                 |  | -30                          | 5x10-8                                  | -130                            | -153         | -165          | -170           | 349  |
| OXO100-1-395L | 100                  | +/-3                              | 0 - 10                          | +12 @ 120 mA              | +10                                |  | -30                          | 5x10-8                                  | -125                            | -157         | -173          | -177           | 395  |
| OXO100-1-395M | 100                  | +/-3                              | 0 - 10                          | +12 @ 120 mA              | +10                                |  | -30                          | 5x10-8                                  | -130                            | -159         | -173          | -175           | 395  |
| OXO100-1-395H | 100                  | +/-3                              | 0 - 10                          | +12 @ 120 mA              | +10                                |  | -30                          | 5x10-8                                  | -135                            | -159         | -170          | -172           | 395  |
| OXO100-1-402  | 100                  | +/-4                              | 0 - 10                          | +12 @ 120 mA              | +5                                 |  | -30                          | 5x10-8                                  | -130                            | -150         | -165          | -168           | 402  |
| OXO100-1-412  | 100                  | +/-1.5                            | 0 - 10                          | +12 @ 150 mA              | +7                                 |  | -30                          | 5x10-8                                  | -130                            | -153         | -165          | -170           | 412  |
| OXO120-1-349  | 120                  | +/-2                              | 0 - 10                          | +12 @ 150 mA              | +7                                 |  | -25                          | 2x10-7                                  | -125                            | -150         | -160          | -168           | 349  |

## HIGH PERFORMANCE CRYSTAL OSCILLATORS

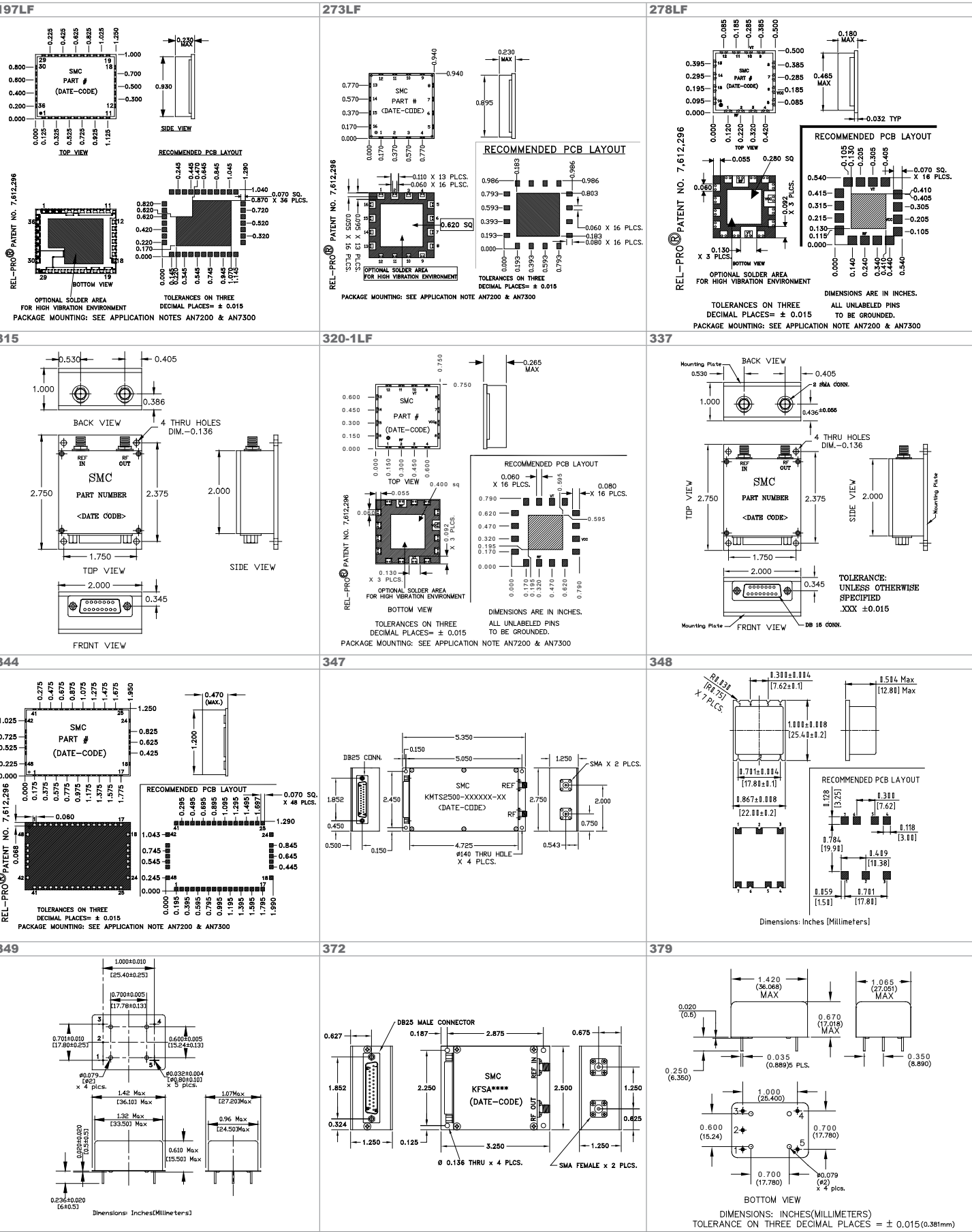
| Model    | Frequency<br>( MHz ) | Frequency Tuning<br>Range ( PPM ) | Aging ( PPM/year ) | DC Bias VDC<br>@ I (Max.) | Minimum<br>Output Power<br>( dBm ) |  | Jitter ( fsec )<br>[ Max. ] | Frequency Stability<br>( ppm ) [ Typ. ]<br>( over temperature ) | Phase Noise ( dBc/Hz ) [ Typ. ] |              |               |                | PKG# * |
|----------|----------------------|-----------------------------------|--------------------|---------------------------|------------------------------------|--|-----------------------------|-----------------------------------------------------------------|---------------------------------|--------------|---------------|----------------|--------|
|          |                      |                                   |                    |                           |                                    |  |                             |                                                                 | 100 Hz offset                   | 1 kHz offset | 10 kHz offset | 100 kHz offset |        |
| HPXO100  | 100                  | +/-5                              | +/-0.3             | +12 VDC @ 120 mA          | +10                                |  | 10                          | <+/-0.2                                                         | -140                            | -162         | -174          | -183           | 379    |
| KHPXO100 | 100                  | +/-5                              | +/-0.3             | +12 VDC @ 120 mA          | +10                                |  | 10                          | <+/-0.2                                                         | -140                            | -162         | -174          | -183           | 412    |
| HPXO125  | 125                  | +/-5                              | +/-0.3             | +12 VDC @ 120 mA          | +10                                |  | 10                          | <+/-0.2                                                         | -140                            | -162         | -174          | -185           | 379    |
| HPXO128  | 128                  | +/-5                              | +/-0.5             | +12 VDC @ 120 mA          | +10                                |  | 10                          | <+/-0.2                                                         | -138                            | -160         | -172          | -180           | 379    |

## ULTRA-LOW NOISE PHASE LOCKED FREQUENCY REFERENCE OSCILLATOR

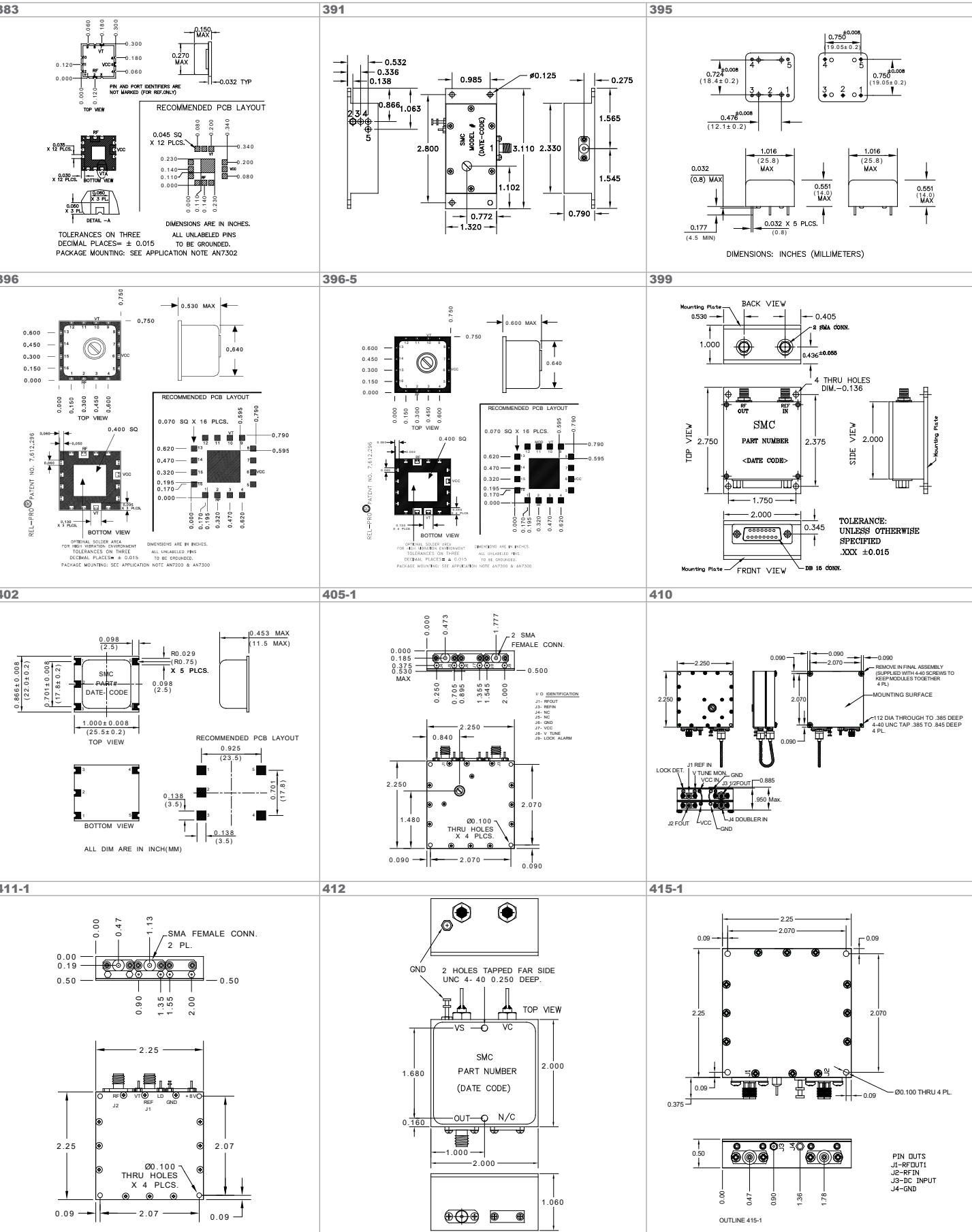
| Model                      | Frequency<br>( GHz ) | Reference Input<br>Frequency ( MHz ) | Reference Input Voltage ( VDC p-p ) | DC Bias VDC [Typ.] | Minimum<br>Output Power<br>( dBm ) | Harmonic<br>Suppression<br>(dB) [Typ.] | Spurious<br>Suppression<br>(dB) [Typ.] | Phase Noise ( dBc/Hz ) [ Typ. ] |              |               |                | PKG#  |
|----------------------------|----------------------|--------------------------------------|-------------------------------------|--------------------|------------------------------------|----------------------------------------|----------------------------------------|---------------------------------|--------------|---------------|----------------|-------|
|                            |                      |                                      |                                     |                    |                                    |                                        |                                        | 100 Hz offset                   | 1 kHz offset | 10 kHz offset | 100 kHz offset |       |
| <b>KSFLO550-8-100</b>      | 0.550                | 100                                  | +9 to +15                           | +8                 | +17                                | 30                                     | 70                                     | -104                            | -111         | -118          | -140           | 411-1 |
| <b>KDFLO-1550-12-10</b>    | 1.55                 | 10                                   | -3 to +3                            | +12                | +13                                | 20                                     | 70                                     | -85                             | -105         | -125          | -130           | 444   |
| <b>KDFLOD1000-8-100</b>    | 10                   | 100                                  | 0 to +13                            | +8                 | +13                                | 20                                     | 70                                     | -95                             | -105         | -110          | -128           | 441   |
| <b>KFSULN1024-100</b>      | 10.24                | INTERNAL 100 MHz                     | ---                                 | 120 VAC            | +10 (Typ)                          | 30                                     | 75                                     | -95                             | -121         | -136          | -136           | RACK  |
| <b>KSFL0D12800-12-1280</b> | 12.8                 | 1280                                 | +11 ± 2 dBm                         | +12                | +10                                | 27                                     | 75                                     | -95                             | -114         | -122          | -123           | 405-1 |
| <b>KSFL0D25600-12-1280</b> | 25.6                 | 1280                                 | +3 ± 3 dBm                          | +8                 | +13                                | 30                                     | 70                                     | -89                             | -108         | -118          | -118           | 410   |
| <b>KSFLO27R5-12-100</b>    | 27.5                 | 100                                  | 0 ± 3 dBm                           | 12                 | +8                                 | 25                                     | 60                                     | -80                             | -85          | -88           | -98            | 440   |

| HIGH PERFORMANCE SAW VCOs                                                                             |                      |                           |                             |                              |                                      |  |                                     |                                                   |                                 |               |                |              |         |
|-------------------------------------------------------------------------------------------------------|----------------------|---------------------------|-----------------------------|------------------------------|--------------------------------------|--|-------------------------------------|---------------------------------------------------|---------------------------------|---------------|----------------|--------------|---------|
| Model                                                                                                 | Frequency<br>( MHz ) | Tuning Voltage<br>( VDC ) | DC Bias VDC<br>@ I ( Max. ) | Minimum Output Power ( dBm ) | Tuning Sensitivity<br>(kHz/V) [Typ.] |  | Harmonic Suppression<br>(dB) [Typ]  | Frequency Pulling<br>kHz/V ( Typ. @ 1.75:1 VSWR ) | Phase Noise ( dBc/Hz ) [ Typ. ] |               |                |              | PKG#    |
|                                                                                                       |                      |                           |                             |                              |                                      |  |                                     |                                                   | 1 kHz offset                    | 10 kHz offset | 100 kHz offset | 1 MHz offset |         |
| HFSO600-5                                                                                             | 600                  | 0.5 - 12                  | +5 VDC @ 35 mA              | +6                           | 30                                   |  | 13                                  | 10                                                | -118                            | -146          | -165           | -167         | 278LF   |
| HFSO640-5                                                                                             | 640                  | 0.5 - 12                  | +5 VDC @ 35 mA              | +6                           | 15                                   |  | 22                                  | 10                                                | -122                            | -151          | -162           | -170         | 278LF   |
| HFSO745R84-5                                                                                          | 745.84               | 0.5 - 12                  | +5 VDC @ 35 mA              | +3                           | 20                                   |  | 12                                  | 10                                                | -115                            | -147          | -161           | -170         | 278LF   |
| HFSO750-5                                                                                             | 750                  | 0.5 - 12                  | +5 VDC @ 26 mA              | +3                           | 25                                   |  | 18                                  | 10                                                | -119                            | -146          | -164           | -172         | 278LF   |
| HFSO776R82-5                                                                                          | 776.82               | 0.5 - 12                  | +5 VDC @ 35 mA              | +6                           | 15                                   |  | 12                                  | 10                                                | -114                            | -145          | -161           | -170         | 278LF   |
| HFSO800-5                                                                                             | 800                  | 0.5 - 12                  | +5 VDC @ 20 mA              | +3                           | 18                                   |  | 20                                  | 10                                                | -119                            | -146          | -164           | -170         | 278LF   |
| HFSO800-5L                                                                                            | 800                  | 0.5 - 12                  | +5 VDC @ 20 mA              | +3                           | 18                                   |  | 20                                  | 10                                                | -110                            | -142          | -162           | -170         | 278LF   |
| HFSO800-5H                                                                                            | 800                  | 0.5 - 12                  | +5 VDC @ 20 mA              | +3                           | 18                                   |  | 20                                  | 10                                                | -122                            | -150          | -164           | -170         | 278LF   |
| HFSO1000-5                                                                                            | 1000                 | 0.5 - 12                  | +5 VDC @ 35 mA              | +2                           | 20                                   |  | 25                                  | 10                                                | -111                            | -141          | -160           | -170         | 278LF   |
| HFSO1000-5L                                                                                           | 1000                 | 0.5 - 12                  | +5 VDC @ 35 mA              | +2                           | 20                                   |  | 25                                  | 10                                                | -108                            | -137          | -157           | -170         | 278LF   |
| HFSO1000-5H                                                                                           | 1000                 | 0.5 - 12                  | +5 VDC @ 35 mA              | +2                           | 20                                   |  | 25                                  | 10                                                | -115                            | -144          | -162           | -168         | 278LF   |
| MSO1000-3                                                                                             | 1000                 | 0.5 - 14                  | +3 VDC @ 35 mA              | +3                           | 15                                   |  | 15                                  | 13                                                | -108                            | -138          | -157           | -165         | 383     |
| HFSO1200-5                                                                                            | 1200                 | 0.5 - 12                  | +5 VDC @ 100 mA             | +9                           | 50                                   |  | 20                                  | 10                                                | -110                            | -142          | -164           | -168         | 320-1LF |
| HFSO1600-5                                                                                            | 1600                 | 0.5 - 12                  | +5 VDC @ 100 mA             | +14                          | 38                                   |  | 18                                  | 15                                                | -108                            | -137          | -161           | -167         | 320-1LF |
| HFSO2000-5L                                                                                           | 2000                 | 0.5 - 12                  | +5 VDC @ 100 mA             | +6                           | 35                                   |  | 20                                  | 15                                                | -103                            | -133          | -159           | -166         | 320-1LF |
| HFSO2000-5                                                                                            | 2000                 | 0.5 - 12                  | +5 VDC @ 100 mA             | +6                           | 35                                   |  | 20                                  | 15                                                | -107                            | -137          | -159           | -166         | 320-1LF |
| HFSO2000-5TC                                                                                          | 2000                 | 0.5 - 12                  | +5 VDC @ 180 mA             | +6                           | 35                                   |  | 20                                  | 15                                                | -107                            | -137          | -159           | -166         | 320-3LF |
|                                                                                                       |                      |                           |                             |                              |                                      |  |                                     |                                                   |                                 |               |                |              |         |
| DIELECTRIC RESONATOR OSCILLATOR                                                                       |                      |                           |                             |                              |                                      |  |                                     |                                                   |                                 |               |                |              |         |
| Model                                                                                                 | Frequency<br>( GHz ) | Tuning Voltage<br>( VDC ) | DC Bias VDC<br>@ I ( Max. ) | Minimum Output Power ( dBm ) | Tuning Sensitivity<br>(MHz/V) [Typ.] |  | Harmonic Suppression<br>(dB) [Typ.] | Jitter (fs)<br>@1 kHz to 30 MHz [Typ.]            | Phase Noise ( dBc/Hz ) [ Typ. ] |               |                |              | PKG#    |
|                                                                                                       |                      |                           |                             |                              |                                      |  |                                     |                                                   | 1 kHz offset                    | 10 kHz offset | 100 kHz offset | 1 MHz offset |         |
| SDRO740-8                                                                                             | 7.4                  | 1 - 10                    | +8 VDC @ 30 mA              | +5                           | 1                                    |  | 15                                  | 48                                                | -85                             | -111          | -138           | -160         | 479-2   |
| SDRO792-5XT                                                                                           | 7.92                 | 1 - 10                    | +5 VDC @ 12 mA              | 0                            | 1.5                                  |  | 45                                  | 53                                                | -83                             | -110          | -134           | -153         | 396     |
| DRO80                                                                                                 | 8                    | 1 - 15                    | +7 - 10 VDC @ 70 mA         | +8                           | 0.25                                 |  | 30                                  | 30                                                | -85                             | -114          | -140           | -160         | 391     |
| SDRO800-8                                                                                             | 8                    | 1 - 10                    | +8 VDC @ 25 mA              | +1                           | 1.5                                  |  | 34                                  | 69                                                | -78                             | -111          | -138           | -160         | 396     |
| SDRO800-8XT                                                                                           | 8                    | 1 - 10                    | +8 @ 25 mA                  | +1                           | 1.5                                  |  | 45                                  | 61                                                | -80                             | -111          | -138           | -160         | 396     |
| GSDRO832-8XT                                                                                          | 8.32                 | 1 - 10                    | +8 @ 30 mA                  | +5                           | 0.35                                 |  | 32                                  | 13                                                | -95                             | -125          | -149           | -167         | 479-2   |
| SDRO840-8                                                                                             | 8.4                  | 1 - 10                    | +8 @ 25 mA                  | +4                           | 1.5                                  |  | 20                                  | 29                                                | -87                             | -114          | -134           | -160         | 396     |
| GSDRO880-8XT                                                                                          | 8.8                  | 1 - 12                    | +8 VDC @ 30 mA              | +3                           | 0.25                                 |  | 26                                  | 14                                                | -92                             | -123          | -148           | -166         | 479-2   |
| SDRO900-8                                                                                             | 9                    | 1 - 10                    | +8 VDC @ 25 mA              | +1                           | 1.0                                  |  | 21                                  | 64                                                | -78                             | -112          | -132           | -152         | 396     |
| SDRO900-8XT                                                                                           | 9                    | 1 - 10                    | +8 @ 25 mA                  | +1                           | 1.0                                  |  | 21                                  | 34                                                | -85                             | -112          | -132           | -152         | 396     |
| SDRO920-8                                                                                             | 9.2                  | 1 - 10                    | +8 VDC @ 25 mA              | 0                            | 1                                    |  | 15                                  | 24                                                | -79                             | -108          | -134           | -156         | 396     |
| SDRO925-8                                                                                             | 9.25                 | 1 - 10                    | +8 @ 25 mA                  | +1                           | 1.0                                  |  | 25                                  | 50                                                | -80                             | -112          | -132           | -152         | 396     |
| SDRO945-8                                                                                             | 9.45                 | 1 - 10                    | +8 VDC @ 30 mA              | 0                            | 1                                    |  | 16                                  | 22                                                | -80                             | -106          | -135           | -157         | 396     |
| SDRO980-8                                                                                             | 9.8                  | 1 - 10                    | +8 VDC @ 30 mA              | 0                            | 1                                    |  | 15                                  | 37                                                | -78                             | -107          | -132           | -155         | 396     |
| DRO100                                                                                                | 10                   | 1 - 15                    | +7 - 10 VDC @ 70 mA         | +8                           | 0.4                                  |  | 40                                  | 35                                                | -81                             | -111          | -137           | -158         | 391     |
| GSDRO1000-8XT                                                                                         | 10                   | 1 - 15                    | +8 @ 25 mA                  | +3                           | 0.35                                 |  | 28                                  | 9                                                 | -95                             | -124          | -149           | -166         | 396-5   |
| SDRO1000-8                                                                                            | 10                   | 1 - 15                    | +8 VDC @ 25 mA              | -2                           | 0.4                                  |  | 40                                  | 60                                                | -79                             | -107          | -127           | -147         | 396     |
| SDRO1000-8XT                                                                                          | 10                   | 1 - 10                    | +8 VDC @ 25 mA              | -4                           | 1.5                                  |  | 25                                  | 65                                                | -78                             | -104          | -130           | -150         | 396     |
| DRO1024                                                                                               | 10.24                | 1 - 15                    | +7 - 10 VDC @ 70 mA         | +7                           | 0.4                                  |  | 40                                  | 53                                                | -79                             | -109          | -136           | -158         | 391     |
| SDRO1024-8                                                                                            | 10.24                | 1 - 15                    | +8 VDC @ 25 mA              | -2                           | 0.4                                  |  | 28                                  | 60                                                | -78                             | -105          | -125           | -145         | 396     |
| SDRO1121-7                                                                                            | 11.217               | 1 - 12                    | +7 VDC @ 25 mA              | 0                            | 0.4                                  |  | 28                                  | 64                                                | -77                             | -107          | -127           | -147         | 396     |
| SDRO1130-7                                                                                            | 11.303               | 1 - 12                    | +7 VDC @ 25 mA              | 0                            | 0.35                                 |  | 28                                  | 63                                                | -77                             | -107          | -127           | -147         | 396     |
| SDRO1134-7                                                                                            | 11.34                | 1 - 12                    | +7 VDC @ 25 mA              | 0                            | 0.35                                 |  | 30                                  | 35                                                | -84                             | -107          | -126           | -150         | 396     |
| SDRO1140-8XT                                                                                          | 11.4                 | 1 - 10                    | +8 VDC @ 25 mA              | -6                           | 1.8                                  |  | 27                                  | 85                                                | -75                             | -102          | -128           | -150         | 396     |
| GSDRO1200-8XT                                                                                         | 12                   | 1 - 15                    | +8 VDC @ 25 mA              | -2                           | 0.4                                  |  | 26                                  | 20                                                | -85                             | -123          | -146           | -164         | 396-5   |
| SDRO1250-8                                                                                            | 12.5                 | 1 - 15                    | +8 VDC @ 25 mA              | -2                           | 0.4                                  |  | 34                                  | 45                                                | -80                             | -105          | -125           | -146         | 396     |
| SDRO1500-8XT                                                                                          | 15                   | 1 - 12                    | +8 VDC @ 26 mA              | -6                           | 1                                    |  | 55                                  | 130                                               | -68                             | -99           | -122           | -142         | 396     |
| GSDRO1500-8XT                                                                                         | 15                   | 1 - 10                    | +8 VDC @ 25 mA              | -7                           | 0.3                                  |  | 25                                  | 25                                                | -85                             | -112          | -132           | -152         | 396-5   |
| Note: XT - Extended operating temperature range (-40° to +85°); GSDRO - Series has lowest phase noise |                      |                           |                             |                              |                                      |  |                                     |                                                   |                                 |               |                |              |         |

OUTLINE DRAWINGS



OUTLINE DRAWINGS



## 435

