VCO R047052SMUA5

rev_0	initial rev

	MIN	TYP	MAX	UNITS	NOTES	Production Test	First Article Test
Frequency Range	472		522	MHz	1	..	..
Tuning Voltage	0.5		4.5	V	1	..	..
Modulation Sensitivity		TBD		MHz/V	1,7	..	..
Operates with Vtune = 0V					1	..	..
Output Power	0	2	4	dBm	1,7	..	..
Phase Noise @ 10 KHz							
1 KHz Offset		-87	-83	dBc/Hz	1	..	..
10 KHz Offset		-117	-114	dBc/Hz	1	..	..
100 KHz Offset		-137	-133	dBc/Hz	1	..	..
1 MHz Offset		-157	-153	dBc/Hz	1	..	..
10 MHz Offset		-165	-161	dBc/Hz	1	..	..
Pushing		TBD		MHz/V	3,7	..	..
Pulling (12 dB R.L.)		TBD		MHz_{pk-pk}	3,7	..	..
Tuning Port Capacitance		TBD		pF	2,7	..	..
Modulation Bandwidth		1		MHz	4	..	..
Harmonics		-10		dBc	3	..	..
Vcc		5.0		V		..	..
Icc		TBD	35	mA	1,7	..	..
Operating Temperature	-30		+85	C	3	..	..
Package		SMUA			6		
L x W		0.500		inch sq.	5	..	..
Height		0.220		inch	5	..	..

Notes

1. Tested in production, and guaranteed
2. Per current design, not a tested parameter
3. Sample tested from production lot
4. Not a tested or guaranteed design goal
5. By inspection
6. RoHS compliant
7. Design goal subject to change

VCO R054056SMUA5

rev_0 initial rev

	MIN	TYP	MAX	UNITS	NOTES	Production Test	First Article Test
Frequency Range	542		562	MHz	1	..	..
Tuning Voltage	0.5		4.5	V	1	..	..
Modulation Sensitivity		TBD		MHz/V	1,7	..	..
Operates with Vtune = 0V					1	..	..
Output Power	0	2	4	dBm	1,7	..	..
Phase Noise @ 10 KHz							
1 KHz Offset		-87	-83	dBc/Hz	1	..	..
10 KHz Offset		-117	-114	dBc/Hz	1	..	..
100 KHz Offset		-137	-133	dBc/Hz	1	..	..
1 MHz Offset		-157	-153	dBc/Hz	1	..	..
10 MHz Offset		-165	-161	dBc/Hz	1	..	..
Pushing		TBD		MHz/V	3,7	..	..
Pulling (12 dB R.L.)		TBD		MHz_{pk-pk}	3,7	..	..
Tuning Port Capacitance		TBD		pF	2,7	..	..
Modulation Bandwidth		1		MHz	4	..	..
Harmonics		-10		dBc	3	..	..
Vcc		5.0		V		..	..
Icc		TBD	35	mA	1,7	..	..
Operating Temperature	-30		+85	C	3	..	..
Package		SMUA			6		
L x W		0.500		inch sq.	5	..	..
Height		0.220		inch	5	..	..

Notes

1. Tested in production, and guaranteed
2. Per current design, not a tested parameter
3. Sample tested from production lot
4. Not a tested or guaranteed design goal
5. By inspection
6. RoHS compliant
7. Design goal subject to change

VCO R022027SMUA5

rev_0	initial rev

	MIN	TYP	MAX	UNITS	NOTES	Production Test	First Article Test
Frequency Range	228		266	MHz	1	..	..
Tuning Voltage	0.5		4.5	V	1	..	..
Modulation Sensitivity		TBD		MHz/V	1,7	..	..
Operates with Vtune = 0V					1	..	..
Output Power	0	2	4	dBm	1,7	..	..
Phase Noise @ 10 KHz							
1 KHz Offset		-87	-83	dBc/Hz	1	..	..
10 KHz Offset		-117	-114	dBc/Hz	1	..	..
100 KHz Offset		-137	-133	dBc/Hz	1	..	..
1 MHz Offset		-157	-153	dBc/Hz	1	..	..
10 MHz Offset		-165	-161	dBc/Hz	1	..	..
Pushing		TBD		MHz/V	3,7	..	..
Pulling (12 dB R.L.)		TBD		MHz_{pk-pk}	3,7	..	..
Tuning Port Capacitance		TBD		pF	2,7	..	..
Modulation Bandwidth		1		MHz	4	..	..
Harmonics		-10		dBc	3	..	..
Vcc		5.0		V		..	..
Icc		TBD	35	mA	1,7	..	..
Operating Temperature	-30		+85	C	3	..	..
Package		SMUA			6		
L x W		0.500		inch sq.	5	..	..
Height		0.220		inch	5	..	..

Notes

1. Tested in production, and guaranteed
2. Per current design, not a tested parameter
3. Sample tested from production lot
4. Not a tested or guaranteed design goal
5. By inspection
6. RoHS compliant
7. Design goal subject to change

VCO R067068SMUA5

rev_0	initial rev

	MIN	TYP	MAX	UNITS	NOTES	Production Test	First Article Test
Frequency Range	672		684	MHz	1	..	..
Tuning Voltage	0.5		4.5	V	1	..	..
Modulation Sensitivity		TBD		MHz/V	1,7	..	..
Operates with Vtune = 0V					1	..	..
Output Power	0	2	4	dBm	1,7	..	..
Phase Noise @ 10 KHz							
1 KHz Offset		-87	-83	dBc/Hz	1	..	..
10 KHz Offset		-117	-114	dBc/Hz	1	..	..
100 KHz Offset		-137	-133	dBc/Hz	1	..	..
1 MHz Offset		-157	-153	dBc/Hz	1	..	..
10 MHz Offset		-165	-161	dBc/Hz	1	..	..
Pushing		TBD		MHz/V	3,7	..	..
Pulling (12 dB R.L.)		TBD		MHz_{pk-pk}	3,7	..	..
Tuning Port Capacitance		TBD		pF	2,7	..	..
Modulation Bandwidth		1		MHz	4	..	..
Harmonics		-10		dBc	3	..	..
Vcc		5.0		V		..	..
Icc		TBD	35	mA	1,7	..	..
Operating Temperature	-30		+85	C	3	..	..
Package		SMUA			6		
L x W		0.500		inch sq.	5	..	..
Height		0.220		inch	5	..	..

Notes

1. Tested in production, and guaranteed
2. Per current design, not a tested parameter
3. Sample tested from production lot
4. Not a tested or guaranteed design goal
5. By inspection
6. RoHS compliant
7. Design goal subject to change

VCO R070071SMUA5

rev_0 initial rev

	MIN	TYP	MAX	UNITS	NOTES	Production Test	First Article Test
Frequency Range	702		714	MHz	1	..	..
Tuning Voltage	0.5		4.5	V	1	..	..
Modulation Sensitivity		TBD		MHz/V	1,7	..	..
Operates with Vtune = 0V					1	..	..
Output Power	0	2	4	dBm	1,7	..	..
Phase Noise @ 10 KHz							
1 KHz Offset		-87	-83	dBc/Hz	1	..	..
10 KHz Offset		-117	-114	dBc/Hz	1	..	..
100 KHz Offset		-137	-133	dBc/Hz	1	..	..
1 MHz Offset		-157	-153	dBc/Hz	1	..	..
10 MHz Offset		-165	-161	dBc/Hz	1	..	..
Pushing		TBD		MHz/V	3,7	..	..
Pulling (12 dB R.L.)		TBD		MHz_{pk-pk}	3,7	..	..
Tuning Port Capacitance		TBD		pF	2,7	..	..
Modulation Bandwidth		1		MHz	4	..	..
Harmonics		-10		dBc	3	..	..
Vcc		5.0		V		..	..
Icc		TBD	35	mA	1,7	..	..
Operating Temperature	-30		+85	C	3	..	..
Package		SMUA			6		
L x W		0.500		inch sq.	5	..	..
Height		0.220		inch	5	..	..

Notes

1. Tested in production, and guaranteed
2. Per current design, not a tested parameter
3. Sample tested from production lot
4. Not a tested or guaranteed design goal
5. By inspection
6. RoHS compliant
7. Design goal subject to change

VCO R071073SMUA5

rev_0 initial rev

	MIN	TYP	MAX	UNITS	NOTES	Production Test	First Article Test
Frequency Range	714		733	MHz	1	..	..
Tuning Voltage	0.5		4.5	V	1	..	..
Modulation Sensitivity		TBD		MHz/V	1,7	..	..
Operates with Vtune = 0V					1	..	..
Output Power	0	2	4	dBm	1,7	..	..
Phase Noise @ 10 KHz							
1 KHz Offset		-87	-83	dBc/Hz	1	..	..
10 KHz Offset		-117	-114	dBc/Hz	1	..	..
100 KHz Offset		-137	-133	dBc/Hz	1	..	..
1 MHz Offset		-157	-153	dBc/Hz	1	..	..
10 MHz Offset		-165	-161	dBc/Hz	1	..	..
Pushing		TBD		MHz/V	3,7	..	..
Pulling (12 dB R.L.)		TBD		MHz_{pk-pk}	3,7	..	..
Tuning Port Capacitance		TBD		pF	2,7	..	..
Modulation Bandwidth		1		MHz	4	..	..
Harmonics		-10		dBc	3	..	..
Vcc		5.0		V		..	..
Icc		TBD	35	mA	1,7	..	..
Operating Temperature	-30		+85	C	3	..	..
Package		SMUA			6		
L x W		0.500		inch sq.	5	..	..
Height		0.220		inch	5	..	..

Notes

1. Tested in production, and guaranteed
2. Per current design, not a tested parameter
3. Sample tested from production lot
4. Not a tested or guaranteed design goal
5. By inspection
6. RoHS compliant
7. Design goal subject to change

VCO R075078SMUA5

rev_0 initial rev

	MIN	TYP	MAX	UNITS	NOTES	Production Test	First Article Test
Frequency Range	759		778	MHz	1	..	..
Tuning Voltage	0.5		4.5	V	1	..	..
Modulation Sensitivity		TBD		MHz/V	1,7	..	..
Operates with Vtune = 0V					1	..	..
Output Power	0	2	4	dBm	1,7	..	..
Phase Noise @ 10 KHz							
1 KHz Offset		-87	-83	dBc/Hz	1	..	..
10 KHz Offset		-117	-114	dBc/Hz	1	..	..
100 KHz Offset		-137	-133	dBc/Hz	1	..	..
1 MHz Offset		-157	-153	dBc/Hz	1	..	..
10 MHz Offset		-165	-161	dBc/Hz	1	..	..
Pushing		TBD		MHz/V	3,7	..	..
Pulling (12 dB R.L.)		TBD		MHz_{pk-pk}	3,7	..	..
Tuning Port Capacitance		TBD		pF	2,7	..	..
Modulation Bandwidth		1		MHz	4	..	..
Harmonics		-10		dBc	3	..	..
Vcc		5.0		V		..	..
Icc		TBD	35	mA	1,7	..	..
Operating Temperature	-30		+85	C	3	..	..
Package		SMUA			6		
L x W		0.500		inch sq.	5	..	..
Height		0.220		inch	5	..	..

Notes

1. Tested in production, and guaranteed
2. Per current design, not a tested parameter
3. Sample tested from production lot
4. Not a tested or guaranteed design goal
5. By inspection
6. RoHS compliant
7. Design goal subject to change