



cmos028fdsoi Technology

CMOM models

DK1.2\_RF\_mmW

Comparison with DK1.1\_RF\_mmW model(s)

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## General information on CMOM models

- Maximum supply voltage is - V.
- Validity domain is defined as follows:
  - ✓ Device temperature varies from -40 °C to 125 °C.

## Output parameters definitions

- Model(s): cmom\_6U1x\_2T8x\_LB\_sh\_acc, cmom\_6U1x\_2T8x\_LB\_wo\_via\_sh\_acc

# **cmom\_6U1x\_2T8x\_LB\_sh\_acc**

## **Electrical characteristics per geometry**

**cmom\_6U1x\_2T8x\_LB\_sh\_acc @ nf\_dirx=200, nf\_diry=200, spacefinger\_mx=100e-9, wfinger\_mx=100e-9, mtlfrbot=1, mtlfrtop=2, mtlconbot=1, mtlcontop=2, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	TT	CMIN	CMAX
<b>Cval [pF]</b>	0.92 0.0%	0.71 0.0%	1.12 0.0%
<b>Cval*1e15/ ((nf_dirx*(spacefinger_mx*1e6+ wfinger_mx*1e6)*nf_diry*(spacef inger_mx*1e6+wfinger_mx*1e6)) )/(0.9*0.9) []</b>	0.71 0.0%	0.55 0.0%	0.86 0.0%

**cmom\_6U1x\_2T8x\_LB\_sh\_acc @ nf\_dirx=200, nf\_diry=200, spacefinger\_mx=100e-9, wfinger\_mx=100e-9, mtlfrbot=1, mtlfrtop=3, mtlconbot=1, mtlcontop=3, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	TT	CMIN	CMAX
Cval [pF]	1.35 0.0%	1.07 0.0%	1.59 0.0%
$\frac{Cval \cdot 1e15}{((nf\_dirx \cdot (spacefinger\_mx \cdot 1e6 + wfinger\_mx \cdot 1e6) \cdot nf\_diry \cdot (spacefinger\_mx \cdot 1e6 + wfinger\_mx \cdot 1e6)))/(0.9 \cdot 0.9)}}$	1.04 0.0%	0.83 0.0%	1.23 0.0%

**cmom\_6U1x\_2T8x\_LB\_sh\_acc @ nf\_dirx=200, nf\_diry=200, spacefinger\_mx=100e-9, wfinger\_mx=100e-9, mtlfrbot=1, mtlfrtop=4, mtlconbot=1, mtlcontop=4, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	TT	CMIN	CMAX
Cval [pF]	1.77 0.0%	1.44 0.0%	2.06 0.0%
$\frac{Cval \cdot 1e15}{((nf\_dirx \cdot (spacefinger\_mx \cdot 1e6 + wfinger\_mx \cdot 1e6) \cdot nf\_diry \cdot (spacefinger\_mx \cdot 1e6 + wfinger\_mx \cdot 1e6)))/(0.9 \cdot 0.9) []}$	1.37 0.0%	1.11 0.0%	1.59 0.0%



**cmom\_6U1x\_2T8x\_LB\_sh\_acc @ nf\_dirx=200, nf\_diry=200, spacefinger\_mx=100e-9, wfinger\_mx=100e-9, mtlfrbot=1, mtlfrtop=5, mtlconbot=1, mtlcontop=5, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	<b>CMIN</b>	<b>TT</b>	<b>CMAx</b>
<b>Cval [pF]</b>	1.81 0.0%	2.19 0.0%	2.53 0.0%
<b>Cval*1e15/ ((nf_dirx*(spacefinger_mx*1e6+ wfinger_mx*1e6)*nf_diry*(spacef inger_mx*1e6+wfinger_mx*1e6)) )/(0.9*0.9) []</b>	1.39 0.0%	1.69 0.0%	1.95 0.0%

**cmom\_6U1x\_2T8x\_LB\_sh\_acc @ nf\_dirx=200, nf\_diry=200, spacefinger\_mx=80e-9, wfinger\_mx=80e-9, mtlfrbot=1, mtlfrtop=2, mtlconbot=1, mtlcontop=2, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	TT	CMIN	CMAX
Cval [pF]	0.86 0.0%	0.65 0.0%	1.06 0.0%
$\frac{Cval * 1e15}{((nf\_dirx * (spacefinger\_mx * 1e6 + wfinger\_mx * 1e6) * nf\_diry * (spacefinger\_mx * 1e6 + wfinger\_mx * 1e6)))/(0.9 * 0.9) []}$	1.04 0.0%	0.79 0.0%	1.28 0.0%

**cmom\_6U1x\_2T8x\_LB\_sh\_acc @ nf\_dirx=200, nf\_diry=200, spacefinger\_mx=80e-9, wfinger\_mx=80e-9, mtlfrbot=1, mtlfrtop=3, mtlconbot=1, mtlcontop=3, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	TT	CMIN	CMAX
Cval [pF]	1.27 0.0%	1 0.0%	1.52 0.0%
$\frac{Cval \cdot 1e15}{((nf\_dirx \cdot (spacefinger\_mx \cdot 1e6 + wfinger\_mx \cdot 1e6) \cdot nf\_diry \cdot (spacefinger\_mx \cdot 1e6 + wfinger\_mx \cdot 1e6)))/(0.9 \cdot 0.9)}}$	1.53 0.0%	1.21 0.0%	1.83 0.0%

**cmom\_6U1x\_2T8x\_LB\_sh\_acc @ nf\_dirx=200, nf\_diry=200, spacefinger\_mx=80e-9, wfinger\_mx=80e-9, mtlfrbot=1, mtlfrtop=4, mtlconbot=1, mtlcontop=4, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	TT	CMIN	CMAX
Cval [pF]	1.68 0.0%	1.36 0.0%	1.97 0.0%
$\frac{Cval \cdot 1e15}{((nf\_dirx \cdot (spacefinger\_mx \cdot 1e6 + wfinger\_mx \cdot 1e6) \cdot nf\_diry \cdot (spacefinger\_mx \cdot 1e6 + wfinger\_mx \cdot 1e6)))/(0.9 \cdot 0.9)}}$	2.03 0.0%	1.64 0.0%	2.37 0.0%

**cmom\_6U1x\_2T8x\_LB\_sh\_acc @ nf\_dirx=200, nf\_diry=200, spacefinger\_mx=80e-9, wfinger\_mx=80e-9, mtlfrbot=1, mtlfrtop=5, mtlconbot=1, mtlcontop=5, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	<b>CMIN</b>	<b>TT</b>	<b>CMAX</b>
<b>Cval [pF]</b>	1.71 0.0%	2.09 0.0%	2.42 0.0%
<b>Cval*1e15/ ((nf_dirx*(spacefinger_mx*1e6+ wfinger_mx*1e6)*nf_diry*(spacef inger_mx*1e6+wfinger_mx*1e6)) )/(0.9*0.9) []</b>	2.07 0.0%	2.52 0.0%	2.92 0.0%

**cmom\_6U1x\_2T8x\_LB\_sh\_acc @ nf\_dirx=200, nf\_diry=200, spacefinger\_mx=50e-9, wfinger\_mx=50e-9, mtlfrbot=1, mtlfrtop=2, mtlconbot=1, mtlcontop=2, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	TT	CMIN	CMAX
Cval [pF]	0.83 0.0%	0.61 0.0%	1.06 0.0%
$\frac{Cval \cdot 1e15}{((nf\_dirx \cdot (spacefinger\_mx \cdot 1e6 + wfinger\_mx \cdot 1e6) \cdot nf\_diry \cdot (spacefinger\_mx \cdot 1e6 + wfinger\_mx \cdot 1e6)))/(0.9 \cdot 0.9)}}$	2.56 0.0%	1.88 0.0%	3.26 0.0%

**cmom\_6U1x\_2T8x\_LB\_sh\_acc @ nf\_dirx=200, nf\_diry=200, spacefinger\_mx=50e-9, wfinger\_mx=50e-9, mtlfrbot=1, mtlfrtop=3, mtlconbot=1, mtlcontop=3, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	TT	CMIN	CMAX
Cval [pF]	1.26 0.0%	0.98 0.0%	1.56 0.0%
$\frac{Cval \cdot 1e15}{((nf\_dirx \cdot (spacefinger\_mx \cdot 1e6 + wfinger\_mx \cdot 1e6) \cdot nf\_diry \cdot (spacefinger\_mx \cdot 1e6 + wfinger\_mx \cdot 1e6)))/(0.9 \cdot 0.9)}}$	3.9 0.0%	3.02 0.0%	4.81 0.0%

**cmom\_6U1x\_2T8x\_LB\_sh\_acc @ nf\_dirx=200, nf\_diry=200, spacefinger\_mx=50e-9, wfinger\_mx=50e-9, mtlfrbot=1, mtlfrtop=4, mtlconbot=1, mtlcontop=4, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	TT	CMIN	CMAX
Cval [pF]	1.7 0.0%	1.36 0.0%	2.05 0.0%
$\frac{Cval \cdot 1e15}{((nf\_dirx \cdot (spacefinger\_mx \cdot 1e6 + wfinger\_mx \cdot 1e6) \cdot nf\_diry \cdot (spacefinger\_mx \cdot 1e6 + wfinger\_mx \cdot 1e6)))/(0.9 \cdot 0.9)}}$	5.25 0.0%	4.19 0.0%	6.33 0.0%



**cmom\_6U1x\_2T8x\_LB\_sh\_acc @ nf\_dirx=200, nf\_diry=200, spacefinger\_mx=50e-9, wfinger\_mx=50e-9, mtlfrbot=1, mtlfrtop=5, mtlconbot=1, mtlcontop=5, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	<b>CMIN</b>	<b>TT</b>	<b>CMAX</b>
<b>Cval [pF]</b>	1.73 0.0%	2.14 0.0%	2.54 0.0%
<b>Cval*1e15/ ((nf_dirx*(spacefinger_mx*1e6+ wfinger_mx*1e6)*nf_diry*(spacef inger_mx*1e6+wfinger_mx*1e6)) )/(0.9*0.9) []</b>	5.35 0.0%	6.59 0.0%	7.85 0.0%

# **cmom\_6U1x\_2T8x\_LB\_wo\_via\_sh\_acc**

## **Electrical characteristics per geometry**

**cmom\_6U1x\_2T8x\_LB\_wo\_via\_sh\_acc @ nf\_dirx=200, nf\_diry=200,  
spacefinger\_mx=100e-9, wfinger\_mx=100e-9, mtlfrbot=1, mtlfrtop=2,  
mtlconbot=1, mtlcontop=2, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	TT	CMIN	CMAX
<b>Cval [pF]</b>	0.95 0.0%	0.73 0.0%	1.18 0.0%
<b>Cval*1e15/ ((nf_dirx*(spacefinger_mx*1e6+ wfinger_mx*1e6)*nf_diry*(spacef inger_mx*1e6+wfinger_mx*1e6)) )/(0.9*0.9) []</b>	0.73 0.0%	0.56 0.0%	0.91 0.0%

**cmom\_6U1x\_2T8x\_LB\_wo\_via\_sh\_acc @ nf\_dirx=200, nf\_diry=200,  
spacefinger\_mx=100e-9, wfinger\_mx=100e-9, mtlfrbot=1, mtlfrtop=3,  
mtlconbot=1, mtlcontop=3, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	TT	CMIN	CMAX
<b>Cval [pF]</b>	1.36 0.0%	1.06 0.0%	1.66 0.0%
<b>Cval*1e15/ ((nf_dirx*(spacefinger_mx*1e6+ wfinger_mx*1e6)*nf_diry*(spacef inger_mx*1e6+wfinger_mx*1e6)) )/(0.9*0.9) []</b>	1.05 0.0%	0.82 0.0%	1.28 0.0%

**cmom\_6U1x\_2T8x\_LB\_wo\_via\_sh\_acc @ nf\_dirx=200, nf\_diry=200,  
spacefinger\_mx=100e-9, wfinger\_mx=100e-9, mtlfrbot=1, mtlfrtop=4,  
mtlconbot=1, mtlcontop=4, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	TT	CMIN	CMAX
Cval [pF]	1.77 0.0%	1.4 0.0%	2.12 0.0%
$\frac{Cval \cdot 1e15}{((nf\_dirx \cdot (spacefinger\_mx \cdot 1e6 + wfinger\_mx \cdot 1e6) \cdot nf\_diry \cdot (spacefinger\_mx \cdot 1e6 + wfinger\_mx \cdot 1e6)))/(0.9 \cdot 0.9)}$	1.36 0.0%	1.08 0.0%	1.64 0.0%

**cmom\_6U1x\_2T8x\_LB\_wo\_via\_sh\_acc @ nf\_dirx=200, nf\_diry=200,  
spacefinger\_mx=100e-9, wfinger\_mx=100e-9, mtlfrbot=1, mtlfrtop=5,  
mtlconbot=1, mtlcontop=5, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	<b>CMIN</b>	<b>TT</b>	<b>CMAX</b>
<b>Cval [pF]</b>	1.73 0.0%	2.18 0.0%	2.6 0.0%
<b>Cval*1e15/ ((nf_dirx*(spacefinger_mx*1e6+ wfinger_mx*1e6)*nf_diry*(spacef inger_mx*1e6+wfinger_mx*1e6)) )/(0.9*0.9) []</b>	1.34 0.0%	1.68 0.0%	2 0.0%

**cmom\_6U1x\_2T8x\_LB\_wo\_via\_sh\_acc @ nf\_dirx=200, nf\_diry=200,  
 spacefinger\_mx=80e-9, wfinger\_mx=80e-9, mtlfrbot=1, mtlfrtop=2, mtlconbot=1,  
 mtlcontop=2, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	TT	CMIN	CMAX
<b>Cval [pF]</b>	0.85 0.0%	0.65 0.0%	1.04 0.0%
<b>Cval*1e15/        ((nf_dirx*(spacefinger_mx*1e6+        wfinger_mx*1e6)*nf_diry*(spacef        inger_mx*1e6+wfinger_mx*1e6))        )/(0.9*0.9) []</b>	1.02 0.0%	0.79 0.0%	1.25 0.0%

**cmom\_6U1x\_2T8x\_LB\_wo\_via\_sh\_acc @ nf\_dirx=200, nf\_diry=200,  
spacefinger\_mx=80e-9, wfinger\_mx=80e-9, mtlfrbot=1, mtlfrtop=3, mtlconbot=1,  
mtlcontop=3, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	TT	CMIN	CMAX
<b>Cval [pF]</b>	1.21 0.0%	0.95 0.0%	1.46 0.0%
<b>Cval*1e15/ ((nf_dirx*(spacefinger_mx*1e6+ wfinger_mx*1e6)*nf_diry*(spacef inger_mx*1e6+wfinger_mx*1e6)) )/(0.9*0.9) []</b>	1.46 0.0%	1.15 0.0%	1.76 0.0%



**cmom\_6U1x\_2T8x\_LB\_wo\_via\_sh\_acc @ nf\_dirx=200, nf\_diry=200,  
spacefinger\_mx=80e-9, wfinger\_mx=80e-9, mtlfrbot=1, mtlfrtop=4, mtlconbot=1,  
mtlcontop=4, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	TT	CMIN	CMAX
<b>Cval [pF]</b>	1.58 0.0%	1.26 0.0%	1.88 0.0%
<b>Cval*1e15/ ((nf_dirx*(spacefinger_mx*1e6+ wfinger_mx*1e6)*nf_diry*(spacef inger_mx*1e6+wfinger_mx*1e6)) )/(0.9*0.9) []</b>	1.9 0.0%	1.52 0.0%	2.27 0.0%

**cmom\_6U1x\_2T8x\_LB\_wo\_via\_sh\_acc @ nf\_dirx=200, nf\_diry=200,  
 spacefinger\_mx=80e-9, wfinger\_mx=80e-9, mtlfrbot=1, mtlfrtop=5, mtlconbot=1,  
 mtlcontop=5, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	<b>CMIN</b>	<b>TT</b>	<b>CMAX</b>
<b>Cval [pF]</b>	1.56 0.0%	1.94 0.0%	2.3 0.0%
<b>Cval*1e15/        ((nf_dirx*(spacefinger_mx*1e6+        wfinger_mx*1e6)*nf_diry*(spacef        inger_mx*1e6+wfinger_mx*1e6))        )/(0.9*0.9) []</b>	1.88 0.0%	2.34 0.0%	2.77 0.0%

**cmom\_6U1x\_2T8x\_LB\_wo\_via\_sh\_acc @ nf\_dirx=200, nf\_diry=200,  
spacefinger\_mx=50e-9, wfinger\_mx=50e-9, mtlfrbot=1, mtlfrtop=2, mtlconbot=1,  
mtlcontop=2, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	TT	CMIN	CMAX
Cval [fF]	703.6 0.0%	551.9 0.0%	843.1 0.0%
$\frac{Cval \cdot 1e15}{((nf\_dirx \cdot (spacefinger\_mx \cdot 1e6 + wfinger\_mx \cdot 1e6) \cdot nf\_diry \cdot (spacefinger\_mx \cdot 1e6 + wfinger\_mx \cdot 1e6)))/(0.9 \cdot 0.9)}$	2.17 0.0%	1.7 0.0%	2.6 0.0%

**cmom\_6U1x\_2T8x\_LB\_wo\_via\_sh\_acc @ nf\_dirx=200, nf\_diry=200,  
spacefinger\_mx=50e-9, wfinger\_mx=50e-9, mtlfrbot=1, mtlfrtop=3, mtlconbot=1,  
mtlcontop=3, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	TT	CMIN	CMAX
<b>Cval [pF]</b>	1.01 0.0%	0.81 0.0%	1.19 0.0%
<b>Cval*1e15/ ((nf_dirx*(spacefinger_mx*1e6+ wfinger_mx*1e6)*nf_diry*(spacef inger_mx*1e6+wfinger_mx*1e6)) )/(0.9*0.9) []</b>	3.12 0.0%	2.5 0.0%	3.68 0.0%

**cmom\_6U1x\_2T8x\_LB\_wo\_via\_sh\_acc @ nf\_dirx=200, nf\_diry=200,  
spacefinger\_mx=50e-9, wfinger\_mx=50e-9, mtlfrbot=1, mtlfrtop=4, mtlconbot=1,  
mtlcontop=4, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	TT	CMIN	CMAX
<b>Cval [pF]</b>	1.32 0.0%	1.07 0.0%	1.54 0.0%
<b>Cval*1e15/ ((nf_dirx*(spacefinger_mx*1e6+ wfinger_mx*1e6)*nf_diry*(spacef inger_mx*1e6+wfinger_mx*1e6)) )/(0.9*0.9) []</b>	4.07 0.0%	3.31 0.0%	4.75 0.0%

**cmom\_6U1x\_2T8x\_LB\_wo\_via\_sh\_acc @ nf\_dirx=200, nf\_diry=200,  
spacefinger\_mx=50e-9, wfinger\_mx=50e-9, mtlfrbot=1, mtlfrtop=5, mtlconbot=1,  
mtlcontop=5, short\_bus=0, temp=25**

DK1.2\_RF\_mmW wrt DK1.1\_RF\_mmW

	<b>CMIN</b>	<b>TT</b>	<b>CMAX</b>
<b>Cval [pF]</b>	1.33 0.0%	1.63 0.0%	1.88 0.0%
<b>Cval*1e15/ ((nf_dirx*(spacefinger_mx*1e6+ wfinger_mx*1e6)*nf_diry*(spacef inger_mx*1e6+wfinger_mx*1e6)) )/(0.9*0.9) []</b>	4.1 0.0%	5.02 0.0%	5.81 0.0%

# Annex

# Conditions of simulations

The simulations were done with SBenchLSF Alpha using Eldo simulator 2018.3.

- Model cmom\_6U1x\_2T8x\_LB\_sh\_acc (DK1.2\_RF\_mmW)

- ✓ Input Parameters

- ✗ mc\_runs = 1000
- ✗ vsub1 = 0
- ✗ temp = 25 °C
- ✗ vsub2 = 0
- ✗ mc\_sens = 0
- ✗ vj = 0.05 V
- ✗ f\_ext = 1e9 Hz
- ✗ sbenchlsf\_release = Alpha
- ✗ ams\_release = 2018.3
- ✗ model\_version = 1.0
- ✗ mc\_nsigma = 3

- ✓ Sweep Parameters

- ✓ Extra parameters

- ✗ cmom\_6u1x\_2t8x\_lb\_dev = 0



- ✗ cmom\_6u1x\_2t8x\_lb\_wo\_via\_dev = 0
- Model cmom\_6U1x\_2T8x\_LB\_wo\_via\_sh\_acc (DK1.2\_RF\_mmW)
  - ✓ Input Parameters
    - ✗ mc\_runs = 1000
    - ✗ vsub1 = 0
    - ✗ temp = 25 °C
    - ✗ vsub2 = 0
    - ✗ mc\_sens = 0
    - ✗ vj = 0.05 V
    - ✗ f\_ext = 1e9 Hz
    - ✗ sbenchlsf\_release = Alpha
    - ✗ ams\_release = 2018.3
    - ✗ model\_version = 1.0
    - ✗ mc\_nsigma = 3
  - ✓ Sweep Parameters
  - ✓ Extra parameters
    - ✗ cmom\_6u1x\_2t8x\_lb\_dev = 0
    - ✗ cmom\_6u1x\_2t8x\_lb\_wo\_via\_dev = 0
- Model cmom\_6U1x\_2T8x\_LB\_sh\_acc (DK1.1\_RF\_mmW)
  - ✓ Input Parameters
    - ✗ mc\_runs = 1000
    - ✗ vsub1 = 0
    - ✗ temp = 25 °C
    - ✗ vsub2 = 0
    - ✗ mc\_sens = 0

- ✗  $v_j = 0.05 \text{ V}$
- ✗  $f_{\text{ext}} = 1\text{e}9 \text{ Hz}$
- ✗ sbenchlsf\_release = Alpha
- ✗ ams\_release = 2018.3
- ✗ model\_version = 1.0
- ✗ mc\_nsigma = 3
- ✓ Sweep Parameters
- ✓ Extra parameters
  - ✗ cmom\_6u1x\_2t8x\_lb\_dev = 0
  - ✗ cmom\_6u1x\_2t8x\_lb\_wo\_via\_dev = 0
- Model cmom\_6U1x\_2T8x\_LB\_wo\_via\_sh\_acc (DK1.1\_RF\_mmW)
  - ✓ Input Parameters
    - ✗ mc\_runs = 1000
    - ✗ vsub1 = 0
    - ✗ temp = 25 °C
    - ✗ vsub2 = 0
    - ✗ mc\_sens = 0
    - ✗  $v_j = 0.05 \text{ V}$
    - ✗  $f_{\text{ext}} = 1\text{e}9 \text{ Hz}$
    - ✗ sbenchlsf\_release = Alpha
    - ✗ ams\_release = 2018.3
    - ✗ model\_version = 1.0
    - ✗ mc\_nsigma = 3
  - ✓ Sweep Parameters
  - ✓ Extra parameters

- ✘ cmom\_6ulx\_2t8x\_lb\_dev = 0
- ✘ cmom\_6ulx\_2t8x\_lb\_wo\_via\_dev = 0