



Modelithics Complete Library (Genesys)

Version 7.5 Release Notes
December, 2010

With version 7.5, Modelithics is introducing, for the first time, a Non-Linear Diode (NLD) Library, and a Non-Linear Transistor (NLT) Library for Genesys. With this release, there is now a single Modelithics COMPLETE Library installer for all sub-libraries, including CLR, NLD and NLT Libraries with user options to select features to install.

Additions, Corrections and Updates in Version 7.5 of the Modelithics CLR Library Include the following:

- Worked with Agilent to implement updates to Modelithics codes to avoid simulation problems and execution failures reported by some customers.
- Added the NLD Library models and NLT Library models listed below.

The models listed below were added to Version 7.5 of the Modelithics NLD Library.

Vendor	Vendor Part Number	Modelithics Model Part Number	Device Type	Body Style	Features
Avago	HSMP-3823	PIN_AGT_ST23_001	Pin	SOT-23	NL, SS
Infinion	BAS 40	SKD_INF_ST23_001	Schottky	SOT-23	NL, SS, TS
Micrometrics	MLP7110	PIN_MIM_VARP_002	Pin	Chip or CS19-1	NL, TS
On Semiconductor	MMBD301LT1	SKD_ONS_ST23_001	Schottky	SOT-23	NL, SS
On Semiconductor	MBD330DWT1	SKD_ONS_T363_001	Schottky	SOT-363	NL, SS
Rohm	RB715F	SKD_RHM_T323_001	Schottky	SOT-323	NL, SS, TS
Skyworks	SMS7621-079	SKD_SKY_SC79_001	Schottky	SC-79	NL
Skyworks	SMS7621-015	SKD_SKY_T143_001	Schottky	SOT-143	NL
Skyworks	SMS7621-005	SKD-SKY-ST23-001	Schottky	SOT-23	NL
Toshiba	1SV229	VAR_TSH_TE1A_001	Varactor	TE1A	NL, SS

NL: Non-Linear
SS: Substrate Scalable
TS: Temperature Scalable

For information on obtaining Version 7.5, please contact sales@Modelithics.com.
For help in upgrading please contact support@Modelithics.com.

The models listed below were added to Version 7.5 of the Modelithics NLT Library.

Vendor	Vendor Part Number	Modelithics Model Part Number	Device Type	Body Style	Features
NEC	NE551279A	MOS-NEC-NE5511279A	LDMOSFET	Surface Mount	NL, LP
NEC	NE5520379A	MOS-NEC-NE5520379A	LDMOSFET	Surface Mount	NL, LP
NEC	NE552R679A	MOS-NEC-NE552R679A	LDMOSFET	Surface Mount	NL, LP
Infineon	BF999	MOS-INF-BF999	MOSFET	SOT23	NL
MWT	MWT-1	MES-MWT-MWT-1-High-Idss	MESFET	Chip	NL, LP, TS, IM, NP, BW
Fujitsu	FLL120MK	MES-FUJ-FLL120MK	MESFET	Flange Mount	NL, LP, TS
Nitronex	NPTB00004	MES-NIT-NPTB0004	MESFET		

BW: Bond wire de-embedding
 IM: 3rd Order IMD Validated
 LP: Load Pull
 NL: Non-Linear
 NP: Noise Parameter
 TS: Temperature Scalable

Additional Notes:

- Simulation results may change from older versions of Genesys to Genesys2010.05 due to changes made in Genesys2010.05. Contact Agilent if you experience changes in simulation results from previous versions.

The non-linear libraries function correctly and are only supported by Modelithics for Genesys2010.05 SP1. Customers may have difficulties with performance in versions 2010, 2009 and 2008 of Genesys.

Many other NLD Library and NLT Library models are available for Agilent ADS as listed on the Modelithics website. Any of these models are available for Agilent Genesys on a Special Order basis, contact Modelithics at sales@modelithics.com for more information.

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