

## P\_Spice Models Library

The IFX it consists of 10 libraries. In the following is shown the devices assigned to each of the library.

### 1. OptiMOS-T2\_40V\_PSpice

#### 40V LL

* IPB80N04S4L-04	IPD90N04S4L-04	IPG20N04S4L-11
* IPG20N04S4L-08	IPG20N04S4L-07	IPI80N04S4L-04
* IPP80N04S4L-04	IPB45N04S4L-08	IPD50N04S4L-08
* ITD50N04S4L-04	ITD50N04S4L-07	IPB180N04S4L-H0
* IPB160N04S4L-H1	IPB180N04S4L-01	IPB120N04S4L-02
* IPC60N04S4L-06		

#### 40V NL

* IPB180N04S4-00	IPB180N04S4-H0	IPB180N04S4-01
* IPB120N04S4-01	IPB160N04S4-H1	IPB90N04S4-02
* IPB120N04S4-02	IPB100N04S4-H2	IPB80N04S4-03
* IPB80N04S4-04	IPB70N04S4-06	IPD100N04S4-02
* IPD90N04S4-02	IPD90N04S4-03	IPD90N04S4-04
* IPD90N04S4-05	IPD75N04S4-06	IPD50N04S4-08
* IPD50N04S4-10	IPG20N04S4-12	IPG20N04S4-09
* IPG20N04S4-08	IPI120N04S4-01	IPI120N04S4-02
* IPI90N04S4-02	IPI100N04S4-H2	IPI80N04S4-03
* IPI80N04S4-04	IPI70N04S4-06	IPP120N04S4-01
* IPP120N04S4-02	IPP90N04S4-02	IPP100N04S4-H2
* IPP80N04S4-03	IPP80N04S4-04	IPP70N04S4-06
* IPLU300N04S4-R7	IIPC25S4N04	IIPC31S4N04
* IPB240N04S4-R9	IPB240N04S4-1R0	IIPC20S4N04
* IPC100N04S4-02	IPC80N04S4-03	IPC60N04S4-06
* IPLU250N04S4-1R7	IPLU300N04S4-1R1	

### 2. OptiMOS-T2\_100V\_PSpice

#### 100V NL

* IPB025N10N3	IPA030N10N3	IPB027N10N3
* IPI030N10N3	IPP030N10N3	IPB039N10N3
* IPA045N10N3	IPB042N10N3	IPI045N10N3
* IPP045N10N3	IPD068N10N3	IPI072N10N3
* IPP072N10N3	BSC060N10NS3	IPA086N10N3
* IPB083N10N3	IPD082N10N3	IPI086N10N3
* IPP086N10N3	IPP881N10N3	IPA126N10N3
* IPB123N10N3	IPD122N10N3	IPI126N10N3
* IPP126N10N3	IPA180N10N3	IPD180N10N3
* IPI180N10N3	IPP180N10N3	IPP882N10N3
* BSC160N10NS3	BSO180N10NS3	BSZ160N10NS3
* BSC440N10NS3	BSO440N10NS3	BSZ440N10NS3
* IPG16N10S4-61	IPB180N10S4-02	IPD90N10S4-06
* IPD60N10S4-12	IPB180N10S4-03	IPB120N10S4-03

* IPP120N10S4-03	IPI120N10S4-03	IPB120N10S4-05
* IPP120N10S4-05	IPI120N10S4-05	IPG20N10S4-36A

**100V LL**

* IPD90N10S4L-06	IPD60N10S4L-12	IPG20N10S4L-22
* IPG20N10S4L-35	IPG16N10S4L-61A	

### 3. OptiMOS\_T\_250V\_PSpice (OptiMOS3\_150V\_200V\_250V\_PSpice)

#### 150V NL

* IPB065N15N3	IPB072N15N3	IPI075N15N3
* IPP075N15N3	IPA105N15N3	IPB108N15N3
* IPI111N15N3	IPP111N15N3	IPB200N15N3
* IPI200N15N3	IPD200N15N3	IPP200N15N3
* BSC190N15NS3	IPB530N15N3	IPD530N15N3
* IPP530N15N3	BSZ520N15NS3	BSO500N15NS3
* BSC520N15NS3	BSB150N15NZ3	BSB280N15NZ3

#### 200V NL

* IPB107N20N3	IPP110N20N3	IPB320N20N3
* IPD320N20N3	IPP320N20N3	BSC320N20NS3

#### 250V NL

* IPB200N25N3	IPP200N25N3	IPB600N25N3
* IPD600N25N3	IPP600N25N3	BSC600N25NS3
* IPB64N25S3-20	IPB17N25S3-100	IPD5N25S3-430

### 4. OptiMOS\_PSpice

**Comments:** The device naming is changed from **S** to **I**.

For example: **SPD22N08S2L-50** changed to **IPD22N08S2L-50**

#### 75V NL

* SPH140N08S2-05R	SPD22N08S2L-50
* SPD30N08S2-22	SPD30N08S2L-21
* SPD66N08S2-15	SPD69N08S2-14
* SPI80N08S2-07R	SPB80N08S2L-07
* SPB80N08S2-07	SPP80N08S2L-07
* SPP80N08S2-07	SPB100N08S2L-07
* SPB100N08S2-07	SPP100N08S2L-07
* SPP100N08S2-07	BSO810NS2

#### 75V LL

#### 55V NL

* SPD14N06S2-80	BSS670S2L
* SPD25N06S2-40	BSP615S2L
* SPD30N06S2-23	SPD15N06S2L-64
* SPD30N06S2-15	SPD26N06S2L-35
* SPD50N06S2-14	BSP603S2L
* SPB77N06S2-12	BSO604NS2
* SPP77N06S2-12	SPD30N06S2L-23
* SPB80N06S2-09	SPD30N06S2L-13
* SPP80N06S2-09	SPD50N06S2L-13

#### 55V LL

* SPB80N06S2-08	SPB80N06S2L-11
* SPP80N06S2-08	SPP80N06S2L-11
* SPB80N06S2-07	SPB80N06S2L-09
* SPP80N06S2-07	SPP80N06S2L-09
* SPB80N06S2-05	SPB80N06S2L-07
* SPP80N06S2-05	SPP80N06S2L-07
* SPB80N06S2-H5	SPB80N06S2L-06
* SPP80N06S2-H5	SPP80N06S2L-06
* SPB100N06S2-05	SPB80N06S2L-H5
* SPP100N06S2-05	SPB80N06S2L-H5
* -	SPB80N06S2L-05
* -	SPP80N06S2L-05
* -	SPB100N06S2L-05
* -	SPP100N06S2L-05
* -	IPG20N06S2L-65
* -	IPG20N06S2L-50
* -	IPG20N06S2L-35
<b>40V NL</b>	<b>40V LL</b>
* SPB80N04S2-H4	SPB80N04S2L-03
* SPP80N04S2-H4	SPP80N04S2L-03
* SPB80N04S2-04	SPB100N04S2L-03
* SPP80N04S2-04	SPP100N04S2L-03
* SPB100N04S2-04	SPB160N04S2L-03
* SPP100N04S2-04	
* SPB160N04S2-03	
<b>30V NL</b>	<b>30V LL</b>
* SPU30N03S2-08	IPD20N03L
* SPD50N03S2-07	SPD30N03S2L-20
* SPB80N03S2-03	IPB15N03L
* SPI80N03S2-03	IPP15N03L
* SPP80N03S2-03	SPB42N03S2L-13
* SPB100N03S2-03	SPI42N03S2L-13
* SPI100N03S2-03	SPP42N03S2L-13
* SPP100N03S2-03	IPD14N03L
* -	IPU14N03L
* -	BSO4410
* -	IPD12N03L
* -	IPU12N03L
* -	SPD30N03S2L-10
* -	SPU30N03S2L-10
* -	BSO4804
* -	BSO4822
* -	IPB10N03L
* -	IPP10N03L
* -	IPD09N03L
* -	SPB73N03S2L-08

*	-	SPI73N03S2L-08
*	-	SPP73N03S2L-08
*	-	BSO4420
*	-	BSO301SN
*	-	IPB07N03L
*	-	IPD07N03L
*	-	IPP07N03L
*	-	IPU07N03L
*	-	SPD30N03S2L-07
*	-	SPD50N03S2L-06
*	-	IPD06N03L
*	-	SPB80N03S2L-06
*	-	SPI80N03S2L-06
*	-	SPP80N03S2L-06
*	-	IPB05N03L
*	-	IPP05N03L
*	-	SPB80N03S2L-05
*	-	SPI80N03S2L-05
*	-	SPP80N03S2L-05
*	-	IPD04N03L
*	-	SPD100N03S2L-04
*	-	IPB04N03L
*	-	IPP04N03L
*	-	SPB80N03S2L-04
*	-	SPI80N03S2L-04
*	-	SPP80N03S2L-04
*	-	SPB80N03S2L-03
*	-	SPI80N03S2L-03
*	-	SPP80N03S2L-03
*	-	SPB100N03S2L-03
*	-	SPI100N03S2L-03
*	-	SPP100N03S2L-03

## 5. OptiMOS\_T\_40V\_PSpice

### 40V NL

*	IPB180N04S3-02	IPB120N04S3-02	IPI120N04S3-02
*	IPP120N04S3-02	IPB160N04S3-H2	IPB100N04S3-03
*	IPI100N04S3-03	IPP100N04S3-03	IPB80N04S3-03
*	IPI80N04S3-03	IPP80N04S3-03	IPB80N04S3-04
*	IPD90N04S3-04	IPI80N04S3-04	IPP80N04S3-04
*	IPB80N04S3-06	IPD80N04S3-06	IPI80N04S3-06
*	IPP80N04S3-06	IPB70N04S3-07	IPD70N04S3-07
*	IPD50N04S3-08		

## 6. OptiMOS-T2\_30V\_PSpice

### **30V LL**

- \* IPB180N03S4L-H0 IPB180N03S4L-01 IPD90N03S4L-02
- \* IPB80N03S4L-02 IPD70N03S4L-04 IPB80N03S4L-03
- \* IPD90N03S4L-03 IPD40N03S4L-08 IPB20N03S4L-15
- \* IPD30N03S4L-14 IPD50N03S4L-06

## **7. OptiMOS-T\_100V\_PSpice**

### **100V NL**

- \* IPB100N10S3-05
- \* IPB70N10S3-12
- \* IPD70N10S3-12
- \* IPI100N10S3-05
- \* IPI70N10S3-12
- \* IPP100N10S3-05
- \* IPP70N10S3-12

### **100 V LL**

- \* IPB70N10S3L-12
- \* IPB50N10S3L-16
- \* IPD70N10S3L-12
- \* IPD50N10S3L-16
- \* IPD35N10S3L-26
- \* IPD30N10S3L-34
- \* IPI70N10S3L-12
- \* IPI50N10S3L-16
- \* IPP70N10S3L-12
- \* IPP50N10S3L-16

## **8. OptiMOS\_P2\_PSpice**

### **30V LL**

- \* IPB80P03P4L-04
- \* IPD90P03P4L-04
- \* IPI80P03P4L-04
- \* IPP80P03P4L-04
- \* IPB80P03P4L-07
- \* IPD80P03P4L-07
- \* IPI80P03P4L-07
- \* IPP80P03P4L-07
- \* IPB45P03P4L-11
- \* IPD50P03P4L-11
- \* IPI45P03P4L-11
- \* IPP45P03P4L-11

### **30V NL**

- \* IPB80P03P4-05
- \* IPD90P03P4-04
- \* IPI80P03P4-05

\* IPP80P03P4-05

#### **40V NL**

\* IPB180P04P4-03

\* IPB120P04P4-04

\* IPB80P04P4-05

\* IPD90P04P4-05

\* IPI80P04P4-05

\* IPP80P04P4-05

\* IPB80P04P4-07

\* IPD85P04P4-07

\* IPB70P04P4-09

\* IPD70P04P4-09

\* IPI70P04P4-09

\* IPP70P04P4-09

\* IPD50P04P4-13

#### **40V LL**

\* IPB180P04P4L-02

\* IPB120P04P4L-03

\* IPB80P04P4L-04

\* IPD90P04P4L-04

\* IPI80P04P4L-04

\* IPP80P04P4L-04

\* IPB80P04P4L-06

\* IPD85P04P4L-06

\* IPB70P04P4L-08

\* IPD70P04P4L-08

\* IPD50P04P4L-11

### **9. OptiMOS-T2-60V-PSpice**

#### **60V NL**

\* IPB180N06S4-H1

\* IPB120N06S4-H1

\* IPI120N06S4-H1

\* IPP120N06S4-H1

\* IPB120N06S4-02

\* IPI120N06S4-02

\* IPP120N06S4-02

\* IPB120N06S4-03

\* IPI120N06S4-03

\* IPP120N06S4-03

\* IPB90N06S4-04

\* IPD90N06S4-04

\* IPD100N06S4-03

\* IPI90N06S4-04

\* IPP90N06S4-04

#### **60V LL**

IPB90N06S4L-04

IPD90N06S4L-03

IPI90N06S4L-04

IPP90N06S4L-04

IPB80N06S4L-05

IPD90N06S4L-05

IPI80N06S4L-05

IPP80N06S4L-05

IPB80N06S4L-07

IPD90N06S4L-06

IPI80N06S4L-07

IPP80N06S4L-07

IPB45N06S4L-08

IPD50N06S4L-08

IPI45N06S4L-08

* IPB80N06S4-05	IPP45N06S4L-08
* IPD90N06S4-05	IPD50N06S4L-12
* IPI80N06S4-05	IPD30N06S4L-23
* IPP80N06S4-05	IPD25N06S4L-30
* IPB80N06S4-07	IPG20N06S4L-11
* IPD90N06S4-07	IPG20N06S4L-14
* IPI80N06S4-07	IPG20N06S4L-26
* IPP80N06S4-07	
* IPB45N06S4-09	
* IPD50N06S4-09	
* IPI45N06S4-09	
* IPP45N06S4-09	
* IPG20N06S4-15	

## 10. OptiMOS\_T\_55V\_PSpice

### 55V LL

* IPB100N06S3L-03	IPB80N06S3L-06	IPB25N06S3L-22
* IPI100N06S3L-03	IPI80N06S3L-06	IPI25N06S3L-22
* IPP100N06S3L-03	IPP80N06S3L-06	IPP25N06S3L-22
* IPB100N06S3L-04	IPB80N06S3L-08	IPD90N06S3L-05
* IPI100N06S3L-04	IPI80N06S3L-08	IPD50N06S3L-06
* IPP100N06S3L-04	IPP80N06S3L-08	IPD90N06S3L-07
* IPB80N06S3L-05	IPB45N06S3L-13	IPD50N06S3L-08
* IPI80N06S3L-05	IPI45N06S3L-13	IPD50N06S3L-13
* IPP80N06S3L-05	IPP45N06S3L-13	IPD30N06S3L-20
* IPG15N06S3L-45	IPG20N06S3L-35	IPG20N06S3L-23

### 55V NL

* IPB100N06S3-03	IPB80N06S3-07	IPB25N06S3-25
* IPI100N06S3-03	IPI80N06S3-07	IPI25N06S3-25
* IPP100N06S3-03	IPP80N06S3-07	IPP25N06S3-25
* IPB100N06S3-04	IPB77N06S3-09	IPD90N06S3-06
* IPI100N06S3-04	IPI77N06S3-09	IPD50N06S3-07
* IPP100N06S3-04	IPP77N06S3-09	IPD80N06S3-09
* IPB80N06S3-05	IPB45N06S3L-16	IPD50N06S3-09
* IPI80N06S3-05	IPI45N06S3L-16	IPD50N06S3-15
* IPP80N06S3-05	IPP45N06S3L-16	IPD30N06S3-24