



8755 W. Higgins Road Suite 500
Chicago, Illinois USA 60631

June 9th, 2020

Advanced notice of Molding Compound change for various Discrete Power & IC devices

To our valued customers,

This is an advisory notice of an upcoming change of the Epoxy Molding Compound (EMC) material used in various discrete power and IC packages.

As you maybe aware, Samsung SDI has decided to exit the EMC material business and as a result we are well advanced in qualifying new materials from alternative vendors. In most instances we are using materials that we have already qualified for similar applications and as such we expecting this to be a relatively low risk exercise.

As this affects several different technology / package combinations and will result in a number of individual PCNs, we are providing this advanced overview such that we can work with you as far as possible to minimise the impact and disruption to your business of this upcoming change.

The following table shows a high level view of when we expect to release each PCN, by package and technology.

	PACKAGE TYPE									
	ISOPLUS220	ISOPLUS247	ISOPLUS264	I4PAK	SMPD	TO252	TO220FP	TO264	TO3P	TO263-7L
Thyristor / Diode	Q3	Q2	Q3	Q2	Q4	Q2	Q3	Q4	Q2	Q4
MOSFET / IGBT		Q2,Q4	Q3,Q4	Q2,Q4	Q4	Q3	Q3	Q4	Q3	Q4
IC / SSR			Q4	Q4						

Appendix to this notice you will find a detailed list of part numbers affected (an electronic copy is available on request).

Individual PCNs will follow in the usual manner and we will do our utmost to release these in logical, concise groups.

In the first instance, we would kindly ask you to review the information and address any questions and any specific individual needs to your usual Sales contact.

Thank you and kind Regards,

Ashley Golland
Director, Product Management, Medium and High power
Semiconductor Business Unit

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List of affected parts

Part Name	Package Type	Technology Type
IXYF16N250CV1	I4pak	IGBT
IXTF2N300P3	I4pak	MOSFET
IXTF1R4N450	I4pak	MOSFET
IXTF1N450	I4pak	MOSFET
IXTF02N450	I4pak	MOSFET
IXTF6N200P3	I4pak	MOSFET
IXBF12N300	I4pak	IGBT
IXBF20N300	I4pak	IGBT
IXGF32N170	I4pak	IGBT
IXGF25N250	I4pak	IGBT
IXGF20N300	I4pak	IGBT
IXGF36N300	I4pak	IGBT
IXTF1N400	I4pak	MOSFET
IXGF1947	I4pak	IGBT
IXGF30N400	I4pak	IGBT
IXTF1N250	I4pak	MOSFET
IXGF20N250	I4pak	IGBT
IXYF30N450	I4pak	IGBT
IXYF40N450	I4pak	IGBT
FMM150-0075X2F	I4pak	MOSFET
IXTF200N10T	I4pak	MOSFET
FMM60-02TF	I4pak	MOSFET
FMM50-025TF	I4pak	MOSFET
FMM22-05PF	I4pak	MOSFET
IXBF22N300	I4pak	IGBT
IXBF32N300	I4pak	IGBT
IXBF55N300	I4pak	IGBT
IXBF1958	I4pak	IGBT
IXBF1948	I4pak	IGBT
IXBF20N360	I4pak	IGBT
IXBF50N360	I4pak	IGBT
FMM22-06PF	I4pak	MOSFET
IXYF30N170CV1	I4pak	IGBT
IXBF16N360	I4pak	IGBT
IXBF42N300	I4pak	IGBT
MMIX4B20N300	SMPD	IGBT
MMIX1969	SMPD	IGBT
MMIX1G320N60B3	SMPD	IGBT
MMIX1H60N150V1	SMPD	THYRISTOR
MMIX4G20N250	SMPD	IGBT
MMIX1T660N04T4	SMPD	MOSFET
MMIX1T600N04T2	SMPD	MOSFET
MMIX1T550N055T2	SMPD	MOSFET

MMIX1F520N075T2	SMPD	MOSFET
MMIX1F420N10T	SMPD	MOSFET
MMIX1F360N15T2	SMPD	MOSFET
MMIX2F150N20T	SMPD	MOSFET
MMIX1F230N20T	SMPD	MOSFET
MMIX1F180N25T	SMPD	MOSFET
MMIX1F160N30T	SMPD	MOSFET
MMIX1X200N60B3	SMPD	IGBT
MMIX1X340N65B4	SMPD	IGBT
MMIX1F210N30P3	SMPD	MOSFET
IXFR14N100Q2	TO247ISOLPUS	MOSFET
IXFR36N50P	TO247ISOLPUS	MOSFET
IXFR24N50Q	TO247ISOLPUS	MOSFET
IXGL75N250	TO264ISOLPUS	IGBT
IXYL60N450	TO264ISOLPUS	IGBT
IXFL60N80P	TO264ISOLPUS	MOSFET
IXTL2X180N10T	TO264ISOLPUS	MOSFET
IXFL210N30P3	TO264ISOLPUS	MOSFET
IXFL132N50P3	TO264ISOLPUS	MOSFET
IXBL60N360	TO264ISOLPUS	IGBT
IXFL80N50Q2	TO264ISOLPUS	MOSFET
IXFL38N100Q2	TO264ISOLPUS	MOSFET
IXFL100N50P	TO264ISOLPUS	MOSFET
IXFL38N100P	TO264ISOLPUS	MOSFET
IXFL32N120P	TO264ISOLPUS	MOSFET
IXFL82N60P	TO264ISOLPUS	MOSFET
IXEL40N400	TO264ISOLPUS	IGBT
IXFL34N100	TO264ISOLPUS	MOSFET
IXBL64N250	TO264ISOLPUS	IGBT
IXFL44N100P	TO264ISOLPUS	MOSFET
IXBL60N360	TO264ISOLPUS	IGBT
IXYL40N250CV1	TO264ISOLPUS	IGBT
IXYL50N170CV1	TO264ISOLPUS	IGBT
IXFL60N80P	TO264ISOLPUS	MOSFET
IXTZ550N055T2	DE475	MOSFET
IXFZ520N075T2	DE475	MOSFET
IXFZ140N25T	DE475	MOSFET
IXGZ1889S	DE150	IGBT
IXGZ1889S TRL	DE150	IGBT
IXTR68P20T	TO247ISOLPUS	MOSFET
IXTR210P10T	TO247ISOLPUS	MOSFET
IXTR120P20T	TO247ISOLPUS	MOSFET
IXFR20N80P	TO247ISOLPUS	MOSFET
IXFR180N10	TO247ISOLPUS	MOSFET
IXFR24N50	TO247ISOLPUS	MOSFET
IXFR26N50	TO247ISOLPUS	MOSFET
IXFR1871	TO247ISOLPUS	MOSFET

IXFR30N60P	TO247ISOLPUS	MOSFET
IXYR100N120C3	TO247ISOLPUS	IGBT
IXFJ20N85X	TO247ISO	MOSFET
IXFJ80N25X3	TO247ISO	MOSFET
IXYJ20N120C3D1	TO247ISO	IGBT
IXTJ6N150	TO247ISO	MOSFET
IXFJ26N50P3	TO247ISO	MOSFET
IXTJ4N150	TO247ISO	MOSFET
IXGR55N120A3H1	TO247ISOLPUS	IGBT
IXGR24N120C3D1	TO247ISOLPUS	IGBT
IXGR60N60C3C1	TO247ISOLPUS	IGBT
IXGR60N60C3D1	TO247ISOLPUS	IGBT
IXGR72N60B3H1	TO247ISOLPUS	IGBT
IXGR72N60A3H1	TO247ISOLPUS	IGBT
IXGR48N60B3D1	TO247ISOLPUS	IGBT
IXGR48N60C3D1	TO247ISOLPUS	IGBT
IXFR102N30P	TO247ISOLPUS	MOSFET
IXTR170P10P	TO247ISOLPUS	MOSFET
IXTR90P20P	TO247ISOLPUS	MOSFET
IXFR12N100Q	TO247ISOLPUS	MOSFET
IXFR18N90P	TO247ISOLPUS	MOSFET
IXGR72N60C3	TO247ISOLPUS	IGBT
IXGR72N60C3D1	TO247ISOLPUS	IGBT
IXGR72N60A3H1	TO247ISOLPUS	IGBT
IXGR72N60B3H1	TO247ISOLPUS	IGBT
IXGR48N60B3D1	TO247ISOLPUS	IGBT
IXGR50N90B2D1	TO247ISOLPUS	IGBT
IXGR32N170AH1	TO247ISOLPUS	IGBT
IXGR32N170H1	TO247ISOLPUS	IGBT
IXGR16N170AH1	TO247ISOLPUS	IGBT
IXYR100N65A3V1	TO247ISOLPUS	IGBT
IXGR60N60C3C1	TO247ISOLPUS	IGBT
IXGR60N60C3D1	TO247ISOLPUS	IGBT
IXGR60N60C3D1	TO247ISOLPUS	IGBT
IXGR72N60B3H1	TO247ISOLPUS	IGBT
IXGR72N60A3H1	TO247ISOLPUS	IGBT
IXYR50N120C3D1	TO247ISOLPUS	IGBT
IXXR100N60B3H1	TO247ISOLPUS	IGBT
IXXR110N65B4H1	TO247ISOLPUS	IGBT
IXGR48N60B3D1	TO247ISOLPUS	IGBT
IXGR48N60C3D1	TO247ISOLPUS	IGBT
IXXR110N65B4H1	TO247ISOLPUS	IGBT
IXGR72N60A3H1	TO247ISOLPUS	IGBT
IXGR72N60B3H1	TO247ISOLPUS	IGBT
IXXR100N60B3H1	TO247ISOLPUS	IGBT
IXTL2N450	TO264ISOLPUS	MOSFET
IXTL2N470	TO264ISOLPUS	MOSFET

IXBL64N250	TO264ISOLPUS	IGBT
IXGL200N60B3	TO264ISOLPUS	IGBT
IXFR44N50Q3	TO247ISOLPUS	MOSFET
IXFR32N100Q3	TO247ISOLPUS	MOSFET
IXFR64N50Q3	TO247ISOLPUS	MOSFET
IXFR48N60Q3	TO247ISOLPUS	MOSFET
IXFR32N80Q3	TO247ISOLPUS	MOSFET
IXFR24N100Q3	TO247ISOLPUS	MOSFET
IXFR44N50P	TO247ISOLPUS	MOSFET
IXFR36N60P	TO247ISOLPUS	MOSFET
IXFR64N60P	TO247ISOLPUS	MOSFET
IXFR44N80P	TO247ISOLPUS	MOSFET
IXFR40N90P	TO247ISOLPUS	MOSFET
IXFR32N100P	TO247ISOLPUS	MOSFET
IXFR26N120P	TO247ISOLPUS	MOSFET
IXFR48N60P	TO247ISOLPUS	MOSFET
IXFR24N100	TO247ISOLPUS	MOSFET
IXFR32N80P	TO247ISOLPUS	MOSFET
IXFR80N50Q3	TO247ISOLPUS	MOSFET
IXFR64N60Q3	TO247ISOLPUS	MOSFET
IXFR24N80P	TO247ISOLPUS	MOSFET
IXFR48N50Q	TO247ISOLPUS	MOSFET
IXFR44N50Q	TO247ISOLPUS	MOSFET
IXFR80N50P	TO247ISOLPUS	MOSFET
IXTR140P10T	TO247ISOLPUS	MOSFET
IXTR102N65X2	TO247ISOLPUS	MOSFET
IXGR120N60B	TO247ISOLPUS	IGBT
IXGR72N60C3	TO247ISOLPUS	IGBT
IXFR4N100Q	TO247ISOLPUS	MOSFET
IXFR58N20Q	TO247ISOLPUS	MOSFET
IXFR24N50Q	TO247ISOLPUS	MOSFET
MMIX1X200N60B3H1	SMPD	IGBT
MMIX1X100N60B3H1	SMPD	IGBT
MMIX1Y100N120C3H1	SMPD	IGBT
MMJX1H40N150	SSMPD	THYRISTOR
IXFR15N100Q3	TO247ISOLPUS	MOSFET
IXGR120N60B	TO247ISOLPUS	IGBT
IXFR230N20T	TO247ISOLPUS	MOSFET
IXYR100N120C3	TO247ISOLPUS	IGBT
IXFR44N50Q	TO247ISOLPUS	MOSFET
IXFR48N50Q	TO247ISOLPUS	MOSFET
IXGR6N170A	TO247ISOLPUS	IGBT
MMIX1F132N50P3	SMPD	MOSFET
MMIX1F132N50P3	SMPD	MOSFET
MMIX1T132N50P3	SMPD	MOSFET
MMIX1T132N50P3	SMPD	MOSFET
MMIX4B22N300	SMPD	IGBT

MMIX4B22N300-2	SMPD	IGBT
MMIX1992	SMPD	IGBT
MMIX1F40N110P	SMPD	MOSFET
MMIX1F44N100Q3	SMPD	MOSFET
MMIX2F60N50P3	SMPD	MOSFET
MMIX2F60N50P3	SMPD	MOSFET
MMIX4B12N300	SMPD	IGBT
MMIX1G120N120A3V1	SMPD	IGBT
MMIX1Y25N250CV1	SMPD	IGBT
MMIX1Y100N120C3H1	SMPD	IGBT
MMIX1Y82N120C3H1	SMPD	IGBT
MMIX1X100N60B3H1	SMPD	IGBT
MMIX1X200N60B3H1	SMPD	IGBT
IXTR40P50P	TO247ISOLPUS	MOSFET
IXTR32P60P	TO247ISOLPUS	MOSFET
IXFR80N60P3	TO247ISOLPUS	MOSFET
IXTR36P15P	TO247ISOLPUS	MOSFET
IXTR48P20P	TO247ISOLPUS	MOSFET
IXTR20P50P	TO247ISOLPUS	MOSFET
IXTR16P60P	TO247ISOLPUS	MOSFET
IXFR21N100Q	TO247ISOLPUS	MOSFET
IXFR140N30P	TO247ISOLPUS	MOSFET
IXFR38N80Q2	TO247ISOLPUS	MOSFET
IXFR64N50P	TO247ISOLPUS	MOSFET
IXFR180N07	TO247ISOLPUS	MOSFET
IXFR180N06	TO247ISOLPUS	MOSFET
IXFR120N20	TO247ISOLPUS	MOSFET
IXFR90N30	TO247ISOLPUS	MOSFET
IXFR55N50	TO247ISOLPUS	MOSFET
IXFR55N50	TO247ISOLPUS	MOSFET
IXFR44N60	TO247ISOLPUS	MOSFET
IXFR36N50P	TO247ISOLPUS	MOSFET
IXFR24N90P	TO247ISOLPUS	MOSFET
IXFR16N120P	TO247ISOLPUS	MOSFET
IXFR26N100P	TO247ISOLPUS	MOSFET
IXFR20N120P	TO247ISOLPUS	MOSFET
IXFR200N10P	TO247ISOLPUS	MOSFET
IXTR200N10P	TO247ISOLPUS	MOSFET
IXFR180N15P	TO247ISOLPUS	MOSFET
IXFR140N20P	TO247ISOLPUS	MOSFET
LKK4706C5	Isoplus264	MOSFET
IXA40I4000KN	Isoplus264	THYRISTOR
IXG5I4500KN	Isoplus264	THYRISTOR
IXG65I3300KN	Isoplus264	THYRISTOR
IXLF19N220A_250A_300A	i4PAK	IGBT
FII50-12EL	i4PAK	IGBT
FBE22-06NI	i4PAK	DIODE

FMD47-06KC5	i4PAK	IGBT
FBS10-12SC TDI	i4PAK	DIODE
CMA30P1600FC	i4PAK	THYRISTOR
CMA50P1600FC	i4PAK	THYRISTOR
FMD15-06KC5	i4PAK	IGBT
FDM15-06KC5	i4PAK	IGBT
FDM47-06KC5	i4PAK	IGBT
FBS16-06SC	i4PAK	DIODE
FBO40-12N	i4PAK	DIODE
FUO22-08_12_16N	i4PAK	DIODE
FII40-06D	i4PAK	IGBT
FMD21-05QC	i4PAK	MOSFET
FBO16-08_12N	i4PAK	DIODE
FUE30-12N1	i4PAK	DIODE
CS45-16IO1R	Isoplus247	THYRISTOR
DSS17-06CR	Isoplus247	DIODE
IRA37IH1200HJ	Isoplus247	IGBT
DSA90C200HR	iso247	DIODE
DMA50P1200HR	iso247	DIODE
CLA60MT1200HR	iso247	THYRISTOR
CLA40E1200HR	iso247	THYRISTOR
CMA40E1600HR	iso247	THYRISTOR
DMA30P1600HR	iso247	Diode
MKH24I650HR	iso247	MOSFET
CLA80MT1200NHR	iso247	THYRISTOR
CMA60MT1600NHR	iso247	THYRISTOR
DPF30P600HR	iso247	THYRISTOR
ITF48IF1200HR	iso247	IGBT
DMA10P1200HR	iso247	Diode
CLA40MT1200NHR	iso247	THYRISTOR
DMA10P1600HR	iso247	Diode
DCG20C1200HR	iso247	DIODE
DCG10P1200HR	iso247	DIODE
DCG35C1200HR	iso247	DIODE
DCG17P1200HR	iso247	DIODE
CMA80MT1600NHR	iso247	THYRISTOR
DSSK70-008AR	Isoplus247	DIODE
IXKC20N60C	Isoplus220	MOSFET
CS29-08_12 IO1C	Isoplus220	THYRISTOR
DSEE15-12CC	Isoplus220	DIODE
DSEE29-12CC	Isoplus220	DIODE
IXKC40N60C	Isoplus220	MOSFET
DSEC 29-06AC	Isoplus220	DIODE
IXUC200N055	Isoplus220	IGBT
IXKC25N80C	Isoplus220	MOSFET
DSEE 8-08CC	Isoplus220	DIODE
DSS 20-01AC	Isoplus220	DIODE

IXKC13N80C	Isoplus220	MOSFET
IXKC23N60C5	Isoplus220	MOSFET
IXKC19N60C5	Isoplus220	MOSFET
IXKC15N60C5	Isoplus220	MOSFET
DSEC 16-06AC	Isoplus220	DIODE
DSEC 59-06BC	Isoplus220	DIODE
DPG10P400PJ	Isoplus220	Diode
CSM1214PI	Isoplus220	DIODE
FMD40-06KC	i4PAK	IGBT
FBS10-06SC	i4PAK	DIODE
FUO50-16N	i4PAK	DIODE
IXKR40N60C	Isoplus247	MOSFET
DSSS30-01AR	Isoplus247	DIODE
DSSS35-008AR	Isoplus247	DIODE
DSSK60-015AR	Isoplus247	DIODE
DSSK60-02AR	Isoplus247	DIODE
IXER35N120D1	Isoplus247	IGBT
DSEP30-06BR	Isoplus247	DIODE
IXKR25N80C	Isoplus247	MOSFET
DSEP75-06AR	Isoplus247	DIODE
DSEP30-12AR	Isoplus247	DIODE
IXER20N120D1	Isoplus247	IGBT
DSEP60-12AR	Isoplus247	DIODE
DPG60C300HJ	Isoplus247	Diode
DSEP15-12CR	Isoplus247	DIODE
DSP25-16AR	Isoplus247	DIODE
DPH30IS600HI	Isoplus247	Diode
IXKR47N60C5	Isoplus247	MOSFET
DSI45-16AR	Isoplus247	Diode
IXA55I1200HJ	Isoplus247	IGBT
IXA37IF1200HJ	Isoplus247	IGBT
IXA17IF1200HJ	Isoplus247	IGBT
IXA27IF1200HJ	Isoplus247	IGBT
DSP45-16AR	Isoplus247	Diode
DE150-102N02A	DE150	MOSFET
DE150-201N09A	DE150	MOSFET
DE150-501N04A	DE150	MOSFET
DE275-102N06A	DE275	MOSFET
DE275X2-102N06A	DE275x2	MOSFET
DE275X2-501N16A	DE275x2	MOSFET
DE375-0001	DE375	MOSFET
DE375-102N12A	DE375	MOSFET
DE375-501N21A	DE375	MOSFET
DE475-102N21A	DE475	MOSFET
DE475-501N44A	DE475	MOSFET
IXRFD630	DE275	IC GATE DRIVER
IXRFD631-NRF	DE275	IC GATE DRIVER

IXZ210N50L2	DE275	MOSFET
IXZ2210N50L2	DE275x2	MOSFET
IXZ308N120	DE375	MOSFET
IXZ318N50	DE375	MOSFET
DHG 55I3300 FE	I4PAC	DIODE
DNA 30E2200 FE	I4PAC	DIODE
CS 1710	I4PAC	THYRISTOR
CNA 30E2200 FB	I4PAC	THYRISTOR
MKE 11R600 DCGFC	I4PAC	MOSFET
CLA 40P1200FC	I4PAC	THYRISTOR
MXB12R650DCGFC	I4PAC	MOSFET
DPF30P600HR	ISO247	DIODE
CMA80MT1600NHR	ISO247	THYRISTOR
CSM1214PI	ISOPLUS TO220	DIODE
DPG 10P400 PJ	ISOPLUS TO220	DIODE
DPG 30P300 PJ	ISOPLUS TO220	DIODE
DPG 30P400 PJ	ISOPLUS TO220	DIODE
IXA37IF1200HJ	ISOPLUS247	IGBT
IXA17IF1200HJ	ISOPLUS247	IGBT
IXA27IF1200HJ	ISOPLUS247	IGBT
CS60-16IO1R	ISOPLUS247	THYRISTOR
DPH 30IS600 HI	ISOPLUS247	DIODE
DSS 17-06 CR	ISOPLUS247	DIODE
DSEP 30-12 CR	ISOPLUS TO247	DIODE
DSEP 30-12 AR	ISOPLUS TO247	DIODE
DSEP 30-06 BR	ISOPLUS TO247	DIODE
DSI 45-16 AR	ISOPLUS TO247	DIODE
DSEI30-10AR	ISOPLUS TO247	DIODE
DPF 60C200 HJ	ISOPLUS TO247	DIODE
DSEK60-02AR	ISOPLUS TO247	DIODE
DSIK45-16AR	ISOPLUS TO247	DIODE
DSSK80-006BR	ISOPLUS TO247	DIODE
IXDR30N120D1	ISOPLUS TO247	IGBT
CS 45-16 IO1R	ISOPLUS TO247	THYRISTOR
DHG 40I4500 KO	ISOPLUS TO264	DIODE
DNA120E2200KO	ISOPLUS TO264	DIODE
CSM 160 KP	ISOPLUS TO264	MOSFET
CSM 162 KP	ISOPLUS TO264	MOSFET
CPC1708J	I4PAK	MOSFET
CPC1786J	I4PAK	MOSFET
CPC1908J	I4PAK	MOSFET
CPC1967J	I4PAK	MOSFET
CPC1977J	I4PAK	MOSFET
CPC1978J	I4PAK	MOSFET
CPC1998J	I4PAK	MOSFET
CPC1709J	ISOPLUS 264	MOSFET
CPC1718J	ISOPLUS 264	MOSFET

CPC1727J	ISOPLUS 264	MOSFET
CPC1779J	ISOPLUS 264	MOSFET
CPC1788J	ISOPLUS 264	MOSFET
CPC1909J	ISOPLUS 264	MOSFET
CPC1918J	ISOPLUS 264	MOSFET
CPC1927J	ISOPLUS 264	MOSFET
CPC1968J	ISOPLUS 264	MOSFET
CPC1979J	ISOPLUS 264	MOSFET
CPC1988J	ISOPLUS 264	MOSFET
CLA100E1200KB	TO-264-3L	THYRISTOR
CLA5E1200UC	TO-252	THYRISTOR
CLA5E1200UC-TUB	TO-252	THYRISTOR
CMA30E1600PN	TO-220F-3L	THYRISTOR
CS22-08IO1M	TO-220F-3L	THYRISTOR
CS22-12IO1M	TO-220F-3L	THYRISTOR
DFE10I600PM	TO-220F-2L	DIODE
DHG10I1200PM	TO-220F-2L	DIODE
DHG10I600PM	TO-220F-2L	DIODE
DHG5I600PM	TO-220F-2L	DIODE
DLA10IM800UC	TO-252	DIODE
DLA5P800UC	TO-252	DIODE
DMA10IM1600UZ-TRL	TO-263-2L HV	DIODE
DMA10P1200UZ-TRL	TO-252HV	DIODE
DPG10I200PM	TO-220F-2L	DIODE
DPG10I400PM	TO-220F-2L	DIODE
DPG10IM300UC	TO-252	DIODE
DPG15I400PM	TO-220F-2L	DIODE
DPG20C200PN	TO-220F-2L	DIODE
DPG20C300PN	TO-220F-3L	DIODE
DPG20C400PN	TO-220F-2L	DIODE
DSA10C150UC	TO-252	DIODE
DSA10I100PM	TO-220F-2L	DIODE
DSA10IM100UC-TUB	TO-252	DIODE
DSA15IM200UC	TO-252	DIODE
DSA20C100PN	TO-220F-2L	DIODE
DSA20C150PN	TO-220F-2L	DIODE
DSA20C60PN	TO-220F-2L	DIODE
DSA30C100PN	TO-220F-2L	DIODE
DSB10I45PM	TO-220F-2L	DIODE
DSB15IM30UC	TO-252	DIODE
DSB20C60PN	TO-220F-2L	DIODE
DSEC120-12AK	TO-264-3L	DIODE
DSEP6-06AS	TO-252	DIODE
DSS6-0025BS	TO-252	DIODE
DSS6-0045AS	TO-252	DIODE
DSS6-015AS	TO-252	DIODE
IXA4I1200UC	TO-252	IGBT

IXA4IF1200UC	TO-252	IGBT
IXCY10M45S	TO-252	MOSFET
IXCY10M90S	TO-252	MOSFET
IXCY10M90S-TRL	TO-252	MOSFET
IXFA10N80P	TO-263	MOSFET
IXFA10N80P-TRL	TO-263	MOSFET
IXFA14N60P-TRL	TO-263	MOSFET
IXFA16N50P	TO-263	MOSFET
IXFA26N50P3	TO-263	MOSFET
IXFA38N30X3	TO-263	MOSFET
IXFA72N30X3	TO-263	MOSFET
IXFA76N15T2-TRL	TO-263	MOSFET
IXFH110N10P	TO-247	MOSFET
IXFH110N15T2	TO-247	MOSFET
IXFH120N25X3	TO-247	MOSFET
IXFH12N120P	TO-247	MOSFET
IXFH12N90P	TO-247	MOSFET
IXFH150N15P	TO-247	MOSFET
IXFH150N20T	TO-247	MOSFET
IXFH160N15T2	TO-247	MOSFET
IXFH170N10P	TO-247	MOSFET
IXFH170N15X3	TO-247	MOSFET
IXFH170N25X3	TO-247	MOSFET
IXFH18N60P	TO-247	MOSFET
IXFH20N60	TO-247	MOSFET
IXFH24N80P	TO-247	MOSFET
IXFH26N50	TO-247	MOSFET
IXFH26N50P	TO-247	MOSFET
IXFH26N50P3	TO-247	MOSFET
IXFH26N60P	TO-247	MOSFET
IXFH30N50P	TO-247	MOSFET
IXFH30N50Q3	TO-247	MOSFET
IXFH320N10T2	TO-247	MOSFET
IXFH36N60P	TO-247	MOSFET
IXFH400N075T2	TO-247	MOSFET
IXFH40N30	TO-247	MOSFET
IXFH44N50P	TO-247	MOSFET
IXFH46N30T	TO-247	MOSFET
IXFH50N20	TO-247	MOSFET
IXFH50N30Q3	TO-247	MOSFET
IXFH52N30P	TO-247	MOSFET
IXFH58N20	TO-247	MOSFET
IXFH6N120P	TO-247	MOSFET
IXFH74N20P	TO-247	MOSFET
IXFH76N15T2	TO-247	MOSFET
IXFH80N25X3	TO-247	MOSFET
IXFH86N30T	TO-247	MOSFET

IXFH88N30P	TO-247	MOSFET
IXFH90N20X3	TO-247	MOSFET
IXFH96N15P	TO-247	MOSFET
IXFH96N20P	TO-247	MOSFET
IXFK100N65X2	TO-264	MOSFET
IXFK27N80Q	TO-264	MOSFET
IXFK34N80	TO-264	MOSFET
IXFK52N100X	TO-264	MOSFET
IXFK66N85X	TO-264	MOSFET
IXFP110N15T2	TO-220	MOSFET
IXFP12N50P	TO-220	MOSFET
IXFP12N65X2	TO-220	MOSFET
IXFP14N85XM	TO-220	MOSFET
IXFP16N50P	TO-220	MOSFET
IXFP16N50P3	TO-220	MOSFET
IXFP180N10T2	TO-220	MOSFET
IXFP22N65X2M	TO-220	MOSFET
IXFP26N30X3	TO-220	MOSFET
IXFP34N65X2M	TO-220	MOSFET
IXFP36N20X3	TO-220	MOSFET
IXFP36N20X3M	TO-220	MOSFET
IXFP38N30X3	TO-220	MOSFET
IXFP4N100PM	TO-220	MOSFET
IXFP56N30X3	TO-220	MOSFET
IXFP72N30X3	TO-220	MOSFET
IXFP76N15T2	TO-220	MOSFET
IXFP80N25X3	TO-220	MOSFET
IXFP90N20X3	TO-220	MOSFET
IXFP90N20X3M	TO-220	MOSFET
IXFQ60N25X3	TO-3P	MOSFET
IXFQ72N30X3	TO-3P	MOSFET
IXFQ8N85X	TO-3P	MOSFET
IXFQ90N20X3	TO-3P	MOSFET
IXFX160N30T	TO-247PLUS	MOSFET
IXFX180N25T	TO-247PLUS	MOSFET
IXFX230N20T	TO-247PLUS	MOSFET
IXFX27N80Q	TO-247PLUS	MOSFET
IXFX320N17T2	TO-247PLUS	MOSFET
IXFX400N15X3	TO-247PLUS	MOSFET
IXFX520N075T2	TO-247PLUS	MOSFET
IXFX64N50P	TO-247PLUS	MOSFET
IXFX78N50P3	TO-247PLUS	MOSFET
IXFY36N20X3	TO-252	MOSFET
IXFY4N85X	TO-252	MOSFET
IXGH36N60B3	TO247	IGBT
IXGH48N60C3	TO-247	IGBT
IXGH72N60A3	TO-247	IGBT

IXGQ85N33PCD1	TO-3P	IGBT
IXTA05N100-TRL	TO-263	MOSFET
IXTA10P50P-TRL	TO-263	MOSFET
IXTA110N055T2	TO-263	MOSFET
IXTA16N50P	TO-263	MOSFET
IXTA18P10T	TO-263	MOSFET
IXTA230N075T2-TRL	TO-263	MOSFET
IXTA26P20P	TO-263	MOSFET
IXTA26P20P-TRL	TO-263	MOSFET
IXTA32P05T-TRL	TO-263	MOSFET
IXTA32P20T	TO-263	MOSFET
IXTA36N30P	TO-263	MOSFET
IXTA36N30P-TRL	TO-263	MOSFET
IXTA36P15P	TO-263	MOSFET
IXTA36P15P-TRL	TO-263	MOSFET
IXTA3N100D2	TO-263	MOSFET
IXTA3N50D2	TO-263	MOSFET
IXTA44P15T	TO-263	MOSFET
IXTA44P15T-TRL	TO-263	MOSFET
IXTA4N65X2	TO-263	MOSFET
IXTA52P10P	TO-263	MOSFET
IXTA64N10L2-TRL	TO-263	MOSFET
IXTA76P10T	TO-263	MOSFET
IXTA90N055T2	TO-263	MOSFET
IXTH10P50P	TO-247	MOSFET
IXTH10P60	TO-247	MOSFET
IXTH110N25T	TO-247	MOSFET
IXTH130N10T	TO-247	MOSFET
IXTH140N075L2	TO-247	MOSFET
IXTH160N10T	TO-247	MOSFET
IXTH16N10D2	TO-247	MOSFET
IXTH16N50D2	TO-247	MOSFET
IXTH21N50	TO-247	MOSFET
IXTH240N15X4	TO-247	MOSFET
IXTH24P20	TO-247	MOSFET
IXTH26P20P	TO-247	MOSFET
IXTH32P20T	TO-247	MOSFET
IXTH44P15T	TO-247	MOSFET
IXTH67N10	TO-247	MOSFET
IXTH75N10	TO-247	MOSFET
IXTH76P10T	TO-247	MOSFET
IXTH7P50	TO-247	MOSFET
IXTH96P085T	TO-247	MOSFET
IXTP102N15T	TO-220	MOSFET
IXTP10P50P	TO-220	MOSFET
IXTP120P065T	TO-220	MOSFET
IXTP130N10T	TO-220	MOSFET

IXTP140P05T	TO-220	MOSFET
IXTP15N50L2	TO-220	MOSFET
IXTP160N10T	TO-220	MOSFET
IXTP170N075T2	TO-220	MOSFET
IXTP18P10T	TO-220	MOSFET
IXTP200N055T2	TO-220	MOSFET
IXTP230N075T2	TO-220	MOSFET
IXTP260N055T2	TO-220	MOSFET
IXTP270N04T4	TO-220	MOSFET
IXTP300N04T2	TO-220	MOSFET
IXTP32P05T	TO-220	MOSFET
IXTP32P20T	TO-220	MOSFET
IXTP36N30P	TO-220	MOSFET
IXTP36P15P	TO-220	MOSFET
IXTP3N100P	TO-220	MOSFET
IXTP44N10T	TO-220	MOSFET
IXTP4N65X2	TO-220	MOSFET
IXTP50N25T	TO-220	MOSFET
IXTP52P10P	TO-220	MOSFET
IXTP60N10T	TO-220	MOSFET
IXTP62N15P	TO-220	MOSFET
IXTP80N10T	TO-220	MOSFET
IXTP80N12T2	TO-220	MOSFET
IXTP96P085T	TO-220	MOSFET
IXTQ130N10T	TO-3P	MOSFET
IXTQ14N60P	TO-3P	MOSFET
IXTQ26P20P	TO-3P	MOSFET
IXTQ36N50P	TO-3P	MOSFET
IXTQ44P15T	TO-3P	MOSFET
IXTQ460P2	TO-3P	MOSFET
IXTQ480P2	TO-3P	MOSFET
IXTQ50N25T	TO-3P	MOSFET
IXTQ52N30P	TO-3P	MOSFET
IXTQ60N20T	TO-3P	MOSFET
IXTQ64N25P	TO-3P	MOSFET
IXTQ69N30P	TO-3P	MOSFET
IXTQ76N25T	TO-3P	MOSFET
IXTQ82N25P	TO-3P	MOSFET
IXTQ96N15P	TO-3P	MOSFET
IXTQ96N20P	TO-3P	MOSFET
IXTX120P20T	TO-247PLUS	MOSFET
IXTX200N10L2	TO-247PLUS	MOSFET
IXTX40P50P	TO-247PLUS	MOSFET
IXTX60N50L2	TO-247PLUS	MOSFET
IXTX90N25L2	TO-247PLUS	MOSFET
IXTY01N100	TO-252	MOSFET
IXTY01N100D	TO-252	MOSFET

IXTY01N100D-TRL	TO-252	MOSFET
IXTY01N100-TRL	TO-252	MOSFET
IXTY02N120P	TO-252	MOSFET
IXTY08N100D2	TO-252	MOSFET
IXTY08N50D2-TRL	TO-252	MOSFET
IXTY18P10T-TRL	TO-252	MOSFET
IXTY1R6N100D2	TO-252	MOSFET
IXTY1R6N100D2-TRL	TO-252	MOSFET
IXTY1R6N50D2	TO-252	MOSFET
IXTY1R6N50D2-TRL	TO-252	MOSFET
IXTY26P10T	TO-252	MOSFET
IXTY44N10T-TRL	TO-252	MOSFET
IXTY4N65X2-TRL	TO-252	MOSFET
IXXH50N60C3	TO-247	IGBT
IXYH10N170C	TO-247	IGBT
IXYH1982	TO-247	IGBT
IXYH50N65C3	TO-247	IGBT