




Contact Date:	Implementation Date:	Alert Category:	Alert Type:	PCN #:
March 9, 2009	June 7, 2009	Discrete Semiconductor	Encapsulate	PCN-1112
TITLE				
Conversion of SMA, SMB and SMC packages to Green Encapsulate (molding compound)				
IMPACT				
None				
DESCRIPTION OF CHANGE				
<p>Beginning with Date Code 0924 or later, products on the attached list will be converted to green molding compound. Always check product labeling on each reel to determine actual version. Previous versions will be shipped until inventory is exhausted.</p> <p>Encapsulate will contain no halogens or Sb2O3 fire retardants in the products per the attached listing. Products will remain 94-V0 compliant, 260 degrees C maximum reflow temperature for 30 sec (Total) and MSL 1. Full electrical characterization and high reliability testing has been completed on representative devices built with the new encapsulate material to ensure no change to device functionality or data sheet electrical specifications before shipment.</p> <p>There is no change to Form, Fit or Function.</p>				
PRODUCTS AFFECTED				
See attached list				
WEB LINKS				
Manufacturer's Notice:	http://www.diodes.com/products/PCNs.shtml			
For More Information Contact:	http://www.diodes.com/contact			
Data Sheet:	http://www.diodes.com/index.php			
DISCLAIMER				
<p>Unless a Diodes Inc. Sales representative is contacted in writing within 30 days of the posting of this notice, all changes described in this announcement are considered approved.</p>				
PCN APPROVAL				
Signatories	Name	Signature	Date	
Signature of Sr. Vice President, Sales & Mktg.	Mark King		March 9, 2009	
Signature of VP Corporate Administration	Ed Tang		March 9, 2009	
Signature of VP Product Development	Ed Tang		March 9, 2009	

Part Number	Package Type
3.0SMCJ20A-13	SMC
3.0SMCJ22A-13	SMC
3.0SMCJ24A-13	SMC
3.0SMCJ28A-13	SMC
3.0SMCJ30A-13	SMC
3.0SMCJ5.0A-13	SMC
3.0SMCJ58A-13	SMC
B1100-13-F	SMA
B1100B-13-F	SMB
B1100LB-13-F	SMB
B120-13-F	SMA
B120B-13-F	SMB
B130-13-F	SMA
B130B-13-F	SMB
B130L-13-F	SMA
B130LB-13-F	SMB
B140-13-F	SMA
B140B-13-F	SMB
B140HB-13-F	SMB
B150-13-F	SMA
B150B-13-F	SMB
B160-13-F	SMA
B160B-13-F	SMB
B170-13-F	SMA
B170B-13-F	SMB
B180-13-F	SMA
B180B-13-F	SMB
B190-13-F	SMA
B190B-13-F	SMB
B2100-13-F	SMB
B2100A-13-F	SMA
B2150A-13-F	SMA
B220-13-F	SMB
B220A-13-F	SMA
B230-13-F	SMB
B230A-13-F	SMA
B230LHA-13	SMA
B240-13-F	SMB
B240A-13-F	SMA
B250-13-F	SMB
B250A-13-F	SMA
B260-13-F	SMB
B260A-13-F	SMA
B270-13-F	SMB

Part Number	Package Type
B280-13-F	SMB
B290-13-F	SMB
B3100-13-F	SMC
B3100B-13-F	SMB
B320-13-F	SMC
B320A-13-F	SMA
B320B-13-F	SMB
B330-13-F	SMC
B330A-13-F	SMA
B330B-13-F	SMB
B340-13-F	SMC
B340A-13-F	SMA
B340B-13-F	SMB
B340LA-13-F	SMA
B340LB-13-F	SMB
B350-13-F	SMC
B350A-13-F	SMA
B350B-13-F	SMB
B360-13-F	SMC
B360A-13-F	SMA
B360B-13-F	SMB
B370-13-F	SMC
B380-13-F	SMC
B380B-13-F	SMB
B390-13-F	SMC
B520C-13-F	SMC
B530C-13-F	SMC
B540C-13-F	SMC
B550C-13-F	SMC
B560C-13-F	SMC
ES1A-13-F	SMA
ES1B-13-F	SMA
ES1C-13-F	SMA
ES1D-13-F	SMA
ES1G-13-F	SMA
ES2A-13-F	SMB
ES2AA-13-F	SMA
ES2B-13-F	SMB
ES2BA-13-F	SMA
ES2C-13-F	SMB
ES2CA-13-F	SMA
ES2D-13-F	SMB
ES2DA-13-F	SMA
ES2G-13-F	SMB

Part Number	Package Type
ES3A-13-F	SMC
ES3AB-13-F	SMB
ES3B-13-F	SMC
ES3BB-13-F	SMB
ES3C-13-F	SMC
ES3CB-13-F	SMB
ES3D-13-F	SMC
ES3DB-13-F	SMB
MURS120-13-F	SMB
MURS140-13-F	SMB
MURS160-13-F	SMB
MURS320-13-F	SMC
RS1A-13-F	SMA
RS1AB-13-F	SMB
RS1B-13-F	SMA
RS1BB-13-F	SMB
RS1D-13-F	SMA
RS1DB-13-F	SMB
RS1G-13-F	SMA
RS1GB-13-F	SMB
RS1J-13-F	SMA
RS1JB-13-F	SMB
RS1K-13-F	SMA
RS1KB-13-F	SMB
RS1M-13-F	SMA
RS1MB-13-F	SMB
RS2A-13-F	SMB
RS2AA-13-F	SMA
RS2B-13-F	SMB
RS2BA-13-F	SMA
RS2D-13-F	SMB
RS2DA-13-F	SMA
RS2G-13-F	SMB
RS2GA-13-F	SMA
RS2J-13-F	SMB
RS2JA-13-F	SMA
RS2K-13-F	SMB
RS2KA-13-F	SMA
RS2M-13-F	SMB
RS2MA-13-F	SMA
RS3A-13-F	SMC
RS3AB-13-F	SMB
RS3B-13-F	SMC
RS3BB-13-F	SMB

Part Number	Package Type
RS3D-13-F	SMC
RS3DB-13-F	SMB
RS3G-13-F	SMC
RS3GB-13-F	SMB
RS3J-13-F	SMC
RS3JB-13-F	SMB
RS3K-13-F	SMC
RS3KB-13-F	SMB
RS3M-13-F	SMC
RS3MB-13-F	SMB
S1A-13-F	SMA
S1AB-13-F	SMB
S1B-13-F	SMA
S1BB-13-F	SMB
S1D-13-F	SMA
S1DB-13-F	SMB
S1G-13-F	SMA
S1GB-13-F	SMB
S1J-13-F	SMA
S1JB-13-F	SMB
S1K-13-F	SMA
S1KB-13-F	SMB
S1M-13-F	SMA
S1MB-13-F	SMB
S2A-13-F	SMB
S2AA-13-F	SMA
S2B-13-F	SMB
S2BA-13-F	SMA
S2D-13-F	SMB
S2DA-13-F	SMA
S2G-13-F	SMB
S2GA-13-F	SMA
S2J-13-F	SMB
S2JA-13-F	SMA
S2K-13-F	SMB
S2KA-13-F	SMA
S2M-13-F	SMB
S2MA-13-F	SMA
S3A-13-F	SMC
S3AB-13-F	SMB
S3B-13-F	SMC
S3BB-13-F	SMB
S3D-13-F	SMC
S3DB-13-F	SMB

Part Number	Package Type
S3G-13-F	SMC
S3GB-13-F	SMB
S3J-13-F	SMC
S3JB-13-F	SMB
S3K-13-F	SMC
S3KB-13-F	SMB
S3M-13-F	SMC
S3MB-13-F	SMB
S5AC-13-F	SMC
S5BC-13-F	SMC
S5DC-13-F	SMC
S5GC-13-F	SMC
S5JC-13-F	SMC
S5KC-13-F	SMC
S5MC-13-F	SMC
S8KC-13-F	SMC
S8MC-13-F	SMC
SBR1U150SA-13	SMA
SBR2U30SA-13	SMA
SBR3A40SA-13	SMA
SBR3U20SA-13	SMA
SK12-13-F	SMB
SK13-13-F	SMB
SK14-13-F	SMB
SK15-13-F	SMB
SK16-13-F	SMB
SK32-13-F	SMC
SK33-13-F	SMC
SK34-13-F	SMC
SK35-13-F	SMC
SK36-13-F	SMC
SMAJ100A-13-F	SMA
SMAJ100CA-13-F	SMA
SMAJ10A-13-F	SMA
SMAJ10CA-13-F	SMA
SMAJ110A-13-F	SMA
SMAJ110CA-13-F	SMA
SMAJ11A-13-F	SMA
SMAJ11CA-13-F	SMA
SMAJ120A-13-F	SMA
SMAJ120CA-13-F	SMA
SMAJ12A-13-F	SMA
SMAJ12CA-13-F	SMA
SMAJ130A-13-F	SMA

Part Number	Package Type
SMAJ130CA-13-F	SMA
SMAJ13A-13-F	SMA
SMAJ13CA-13-F	SMA
SMAJ14A-13-F	SMA
SMAJ14CA-13-F	SMA
SMAJ150A-13-F	SMA
SMAJ150CA-13-F	SMA
SMAJ15A-13-F	SMA
SMAJ15CA-13-F	SMA
SMAJ160A-13-F	SMA
SMAJ160CA-13-F	SMA
SMAJ16A-13-F	SMA
SMAJ16CA-13-F	SMA
SMAJ170A-13-F	SMA
SMAJ170CA-13-F	SMA
SMAJ17A-13-F	SMA
SMAJ17CA-13-F	SMA
SMAJ18A-13-F	SMA
SMAJ18CA-13-F	SMA
SMAJ20A-13-F	SMA
SMAJ20CA-13-F	SMA
SMAJ22A-13-F	SMA
SMAJ22CA-13-F	SMA
SMAJ24A-13-F	SMA
SMAJ24CA-13-F	SMA
SMAJ26A-13-F	SMA
SMAJ26CA-13-F	SMA
SMAJ28A-13-F	SMA
SMAJ28CA-13-F	SMA
SMAJ30A-13-F	SMA
SMAJ30CA-13-F	SMA
SMAJ33A-13-F	SMA
SMAJ33CA-13-F	SMA
SMAJ36A-13-F	SMA
SMAJ36CA-13-F	SMA
SMAJ40A-13-F	SMA
SMAJ40CA-13-F	SMA
SMAJ43A-13-F	SMA
SMAJ43CA-13-F	SMA
SMAJ45A-13-F	SMA
SMAJ45CA-13-F	SMA
SMAJ48A-13-F	SMA
SMAJ48CA-13-F	SMA
SMAJ5.0A-13-F	SMA

Part Number	Package Type
SMAJ5.0CA-13-F	SMA
SMAJ51A-13-F	SMA
SMAJ51CA-13-F	SMA
SMAJ54A-13-F	SMA
SMAJ54CA-13-F	SMA
SMAJ58A-13-F	SMA
SMAJ58CA-13-F	SMA
SMAJ6.0A-13-F	SMA
SMAJ6.0CA-13-F	SMA
SMAJ6.5A-13-F	SMA
SMAJ6.5CA-13-F	SMA
SMAJ60A-13-F	SMA
SMAJ60CA-13-F	SMA
SMAJ64A-13-F	SMA
SMAJ64CA-13-F	SMA
SMAJ7.0A-13-F	SMA
SMAJ7.0CA-13-F	SMA
SMAJ7.5A-13-F	SMA
SMAJ7.5CA-13-F	SMA
SMAJ70A-13-F	SMA
SMAJ70CA-13-F	SMA
SMAJ75A-13-F	SMA
SMAJ75CA-13-F	SMA
SMAJ78A-13-F	SMA
SMAJ78CA-13-F	SMA
SMAJ8.0A-13-F	SMA
SMAJ8.0CA-13-F	SMA
SMAJ8.5A-13-F	SMA
SMAJ8.5CA-13-F	SMA
SMAJ85A-13-F	SMA
SMAJ85CA-13-F	SMA
SMAJ9.0A-13-F	SMA
SMAJ9.0CA-13-F	SMA
SMAJ90A-13-F	SMA
SMAJ90CA-13-F	SMA
SMAT70A-13-F	SMA
SMAZ10-13-F	SMA
SMAZ12-13-F	SMA
SMAZ15-13-F	SMA
SMAZ16-13-F	SMA
SMAZ18-13-F	SMA
SMAZ20-13-F	SMA
SMAZ22-13-F	SMA
SMAZ24-13-F	SMA

Part Number	Package Type
SMAZ27-13-F	SMA
SMAZ30-13-F	SMA
SMAZ33-13-F	SMA
SMAZ36-13-F	SMA
SMAZ39-13-F	SMA
SMAZ5V1-13-F	SMA
SMAZ5V6-13-F	SMA
SMAZ6V2-13-F	SMA
SMAZ6V8-13-F	SMA
SMAZ7V5-13-F	SMA
SMAZ8V2-13-F	SMA
SMAZ9V1-13-F	SMA
SMBJ100A-13-F	SMB
SMBJ100CA-13-F	SMB
SMBJ10A-13-F	SMB
SMBJ10CA-13-F	SMB
SMBJ110A-13-F	SMB
SMBJ110CA-13-F	SMB
SMBJ11A-13-F	SMB
SMBJ11CA-13-F	SMB
SMBJ120A-13-F	SMB
SMBJ120CA-13-F	SMB
SMBJ12A-13-F	SMB
SMBJ12CA-13-F	SMB
SMBJ130A-13-F	SMB
SMBJ130CA-13-F	SMB
SMBJ13A-13-F	SMB
SMBJ13CA-13-F	SMB
SMBJ14A-13-F	SMB
SMBJ14CA-13-F	SMB
SMBJ150A-13-F	SMB
SMBJ150CA-13-F	SMB
SMBJ15A-13-F	SMB
SMBJ15CA-13-F	SMB
SMBJ160A-13-F	SMB
SMBJ160CA-13-F	SMB
SMBJ16A-13-F	SMB
SMBJ16CA-13-F	SMB
SMBJ170A-13-F	SMB
SMBJ170CA-13-F	SMB
SMBJ17A-13-F	SMB
SMBJ17CA-13-F	SMB
SMBJ18A-13-F	SMB
SMBJ18CA-13-F	SMB
SMBJ20A-13-F	SMB

Part Number	Package Type
SMBJ20CA-13-F	SMB
SMBJ22A-13-F	SMB
SMBJ22CA-13-F	SMB
SMBJ24A-13-F	SMB
SMBJ24CA-13-F	SMB
SMBJ26A-13-F	SMB
SMBJ26CA-13-F	SMB
SMBJ28A-13-F	SMB
SMBJ28CA-13-F	SMB
SMBJ30A-13-F	SMB
SMBJ30CA-13-F	SMB
SMBJ33A-13-F	SMB
SMBJ33CA-13-F	SMB
SMBJ36A-13-F	SMB
SMBJ36CA-13-F	SMB
SMBJ40A-13-F	SMB
SMBJ40CA-13-F	SMB
SMBJ43A-13-F	SMB
SMBJ43CA-13-F	SMB
SMBJ45A-13-F	SMB
SMBJ45CA-13-F	SMB
SMBJ48A-13-F	SMB
SMBJ48CA-13-F	SMB
SMBJ5.0A-13-F	SMB
SMBJ5.0CA-13-F	SMB
SMBJ51A-13-F	SMB
SMBJ51CA-13-F	SMB
SMBJ54A-13-F	SMB
SMBJ54CA-13-F	SMB
SMBJ58A-13-F	SMB
SMBJ58CA-13-F	SMB
SMBJ6.0A-13-F	SMB
SMBJ6.0CA-13-F	SMB
SMBJ6.5A-13-F	SMB
SMBJ6.5CA-13-F	SMB
SMBJ60A-13-F	SMB
SMBJ60CA-13-F	SMB
SMBJ64A-13-F	SMB
SMBJ64CA-13-F	SMB
SMBJ7.0A-13-F	SMB
SMBJ7.0CA-13-F	SMB
SMBJ7.5A-13-F	SMB
SMBJ7.5CA-13-F	SMB
SMBJ70A-13-F	SMB
SMBJ70CA-13-F	SMB
SMBJ75A-13-F	SMB

Part Number	Package Type
SMBJ75CA-13-F	SMB
SMBJ78A-13-F	SMB
SMBJ78CA-13-F	SMB
SMBJ8.0A-13-F	SMB
SMBJ8.0CA-13-F	SMB
SMBJ8.5A-13-F	SMB
SMBJ8.5CA-13-F	SMB
SMBJ85A-13-F	SMB
SMBJ85CA-13-F	SMB
SMBJ9.0A-13-F	SMB
SMBJ9.0CA-13-F	SMB
SMBJ90A-13-F	SMB
SMBJ90CA-13-F	SMB
SMBT70A-13-F	SMB
SMCJ100A-13-F	SMC
SMCJ100CA-13-F	SMC
SMCJ10A-13-F	SMC
SMCJ10CA-13-F	SMC
SMCJ110A-13-F	SMC
SMCJ110CA-13-F	SMC
SMCJ11A-13-F	SMC
SMCJ11CA-13-F	SMC
SMCJ120A-13-F	SMC
SMCJ120CA-13-F	SMC
SMCJ12A-13-F	SMC
SMCJ12CA-13-F	SMC
SMCJ130A-13-F	SMC
SMCJ130CA-13-F	SMC
SMCJ13A-13-F	SMC
SMCJ13CA-13-F	SMC
SMCJ14A-13-F	SMC
SMCJ14CA-13-F	SMC
SMCJ150A-13-F	SMC
SMCJ150CA-13-F	SMC
SMCJ15A-13-F	SMC
SMCJ15CA-13-F	SMC
SMCJ160A-13-F	SMC
SMCJ160CA-13-F	SMC
SMCJ16A-13-F	SMC
SMCJ16CA-13-F	SMC
SMCJ170A-13-F	SMC
SMCJ170CA-13-F	SMC
SMCJ17A-13-F	SMC
SMCJ17CA-13-F	SMC
SMCJ18A-13-F	SMC
SMCJ18CA-13-F	SMC

Part Number	Package Type
SMCJ20A-13-F	SMC
SMCJ20CA-13-F	SMC
SMCJ22A-13-F	SMC
SMCJ22CA-13-F	SMC
SMCJ24A-13-F	SMC
SMCJ24CA-13-F	SMC
SMCJ26A-13-F	SMC
SMCJ26CA-13-F	SMC
SMCJ28A-13-F	SMC
SMCJ28CA-13-F	SMC
SMCJ30A-13-F	SMC
SMCJ30CA-13-F	SMC
SMCJ33A-13-F	SMC
SMCJ33CA-13-F	SMC
SMCJ36A-13-F	SMC
SMCJ36CA-13-F	SMC
SMCJ40A-13-F	SMC
SMCJ40CA-13-F	SMC
SMCJ43A-13-F	SMC
SMCJ43CA-13-F	SMC
SMCJ45A-13-F	SMC
SMCJ45CA-13-F	SMC
SMCJ48A-13-F	SMC
SMCJ48CA-13-F	SMC
SMCJ5.0A-13-F	SMC
SMCJ5.0CA-13-F	SMC
SMCJ51A-13-F	SMC
SMCJ51CA-13-F	SMC
SMCJ54A-13-F	SMC
SMCJ54CA-13-F	SMC
SMCJ58A-13-F	SMC
SMCJ58CA-13-F	SMC
SMCJ6.0A-13-F	SMC
SMCJ6.0CA-13-F	SMC
SMCJ6.5A-13-F	SMC
SMCJ6.5CA-13-F	SMC
SMCJ60A-13-F	SMC
SMCJ60CA-13-F	SMC
SMCJ64A-13-F	SMC
SMCJ64CA-13-F	SMC
SMCJ7.0A-13-F	SMC
SMCJ7.0CA-13-F	SMC
SMCJ7.5A-13-F	SMC
SMCJ7.5CA-13-F	SMC
SMCJ70A-13-F	SMC
SMCJ70CA-13-F	SMC

Part Number	Package Type
SMCJ75A-13-F	SMC
SMCJ75CA-13-F	SMC
SMCJ78A-13-F	SMC
SMCJ78CA-13-F	SMC
SMCJ8.0A-13-F	SMC
SMCJ8.0CA-13-F	SMC
SMCJ8.5A-13-F	SMC
SMCJ8.5CA-13-F	SMC
SMCJ85A-13-F	SMC
SMCJ85CA-13-F	SMC
SMCJ9.0A-13-F	SMC
SMCJ9.0CA-13-F	SMC
SMCJ90A-13-F	SMC
SMCJ90CA-13-F	SMC
TB0640H-13-F	SMB
TB0640L-13-F	SMB
TB0640M-13-F	SMB
TB0720H-13-F	SMB
TB0720L-13-F	SMB
TB0720M-13-F	SMB
TB0900H-13-F	SMB
TB0900L-13-F	SMB
TB0900M-13-F	SMB
TB1100H-13-F	SMB
TB1100L-13-F	SMB
TB1100M-13-F	SMB
TB1300H-13-F	SMB
TB1300L-13-F	SMB
TB1300M-13-F	SMB
TB1500H-13-F	SMB
TB1500L-13-F	SMB
TB1500M-13-F	SMB
TB1800H-13-F	SMB
TB1800L-13-F	SMB
TB1800M-13-F	SMB
TB2300H-13-F	SMB
TB2300L-13-F	SMB
TB2300M-13-F	SMB
TB2600H-13-F	SMB
TB2600L-13-F	SMB
TB2600M-13-F	SMB
TB3100H-13-F	SMB
TB3100L-13-F	SMB
TB3100M-13-F	SMB
TB3500H-13-F	SMB
TB3500L-13-F	SMB

Part Number	Package Type
TB3500M-13-F	SMB
US1A-13-F	SMA
US1B-13-F	SMA
US1D-13-F	SMA
US1G-13-F	SMA
US1J-13-F	SMA
US1K-13-F	SMA
US1M-13-F	SMA