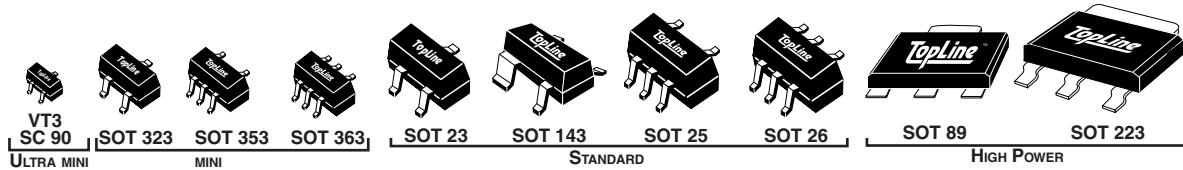
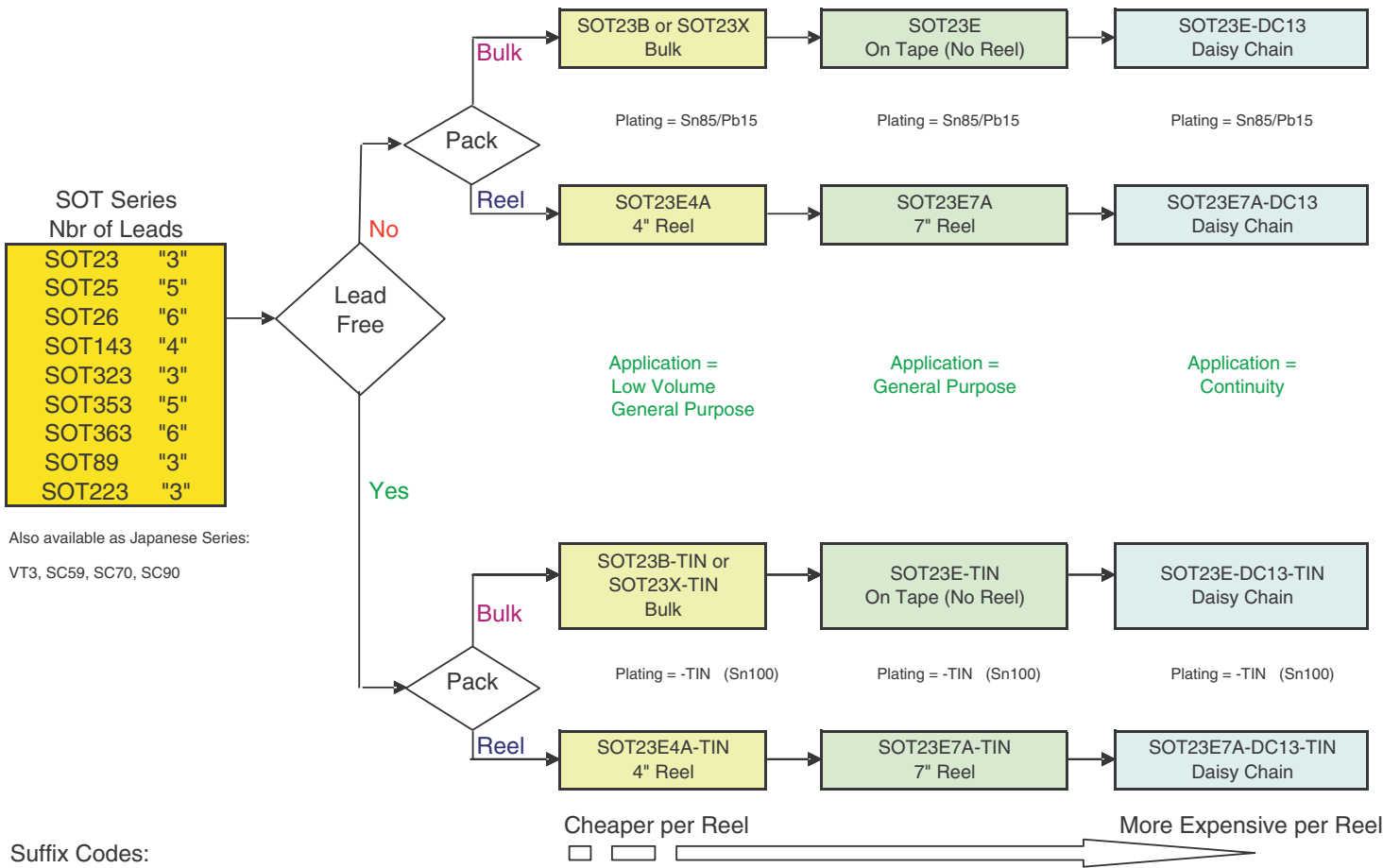


## SOT Transistor



<p><b>SOT</b></p> <p><b>DISCRETE DEVICE</b></p> <p>SOT=Small Outline Transistor SC = Japan Series</p>	<p><b>23</b></p> <p><b>BODY CODE</b></p> <p>Refer to drawings for outline dimensions</p>	<p><b>E</b></p> <p><b>PACKAGING</b></p> <p>E = Plastic Tape B = Bulk Bag X = Small Qty. Pack</p>	<p><b>7</b></p> <p><b>REEL SIZE</b></p> <p>4 = 4" (100mm) 7 = 7" (180mm) 13 = 13" (330mm)</p> <p><b>REEL MATERIAL</b></p> <p>A = Plastic</p>	<p><b>A</b></p>
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## Substituting "SOT Series"



**Suffix Codes:**

Lead Free Plating: "TIN" = Sn100

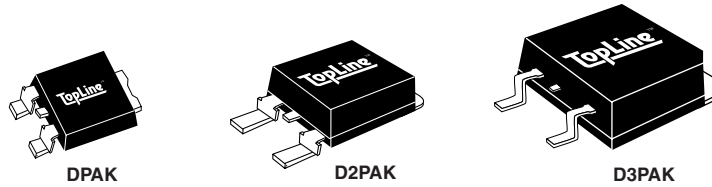
Pack: "B" = Bulk (unspecified pack), "X" = mini Pack Bags

Plastic Tape: E4A = 4" Mini Reel (special), E7A = 7" Reel, E13A = 13" Reels

"E" = On Plastic Tape. No Reel

Daisy Chain: DC13, DC23, etc. See drawing for details

## DPAK Power Transistor



### D2PAK

**DISCRETE DEVICE**  
 DPAK (small)  
 D2PAK (medium)  
 D3PAK (large)  
 SC = Japan Series

5

**NUMBER OF LEADS**

E

**PACKAGING**

E = Plastic Tape  
 B = Bulk Bag  
 X = Small Qty. Pack

13

**REEL SIZE**

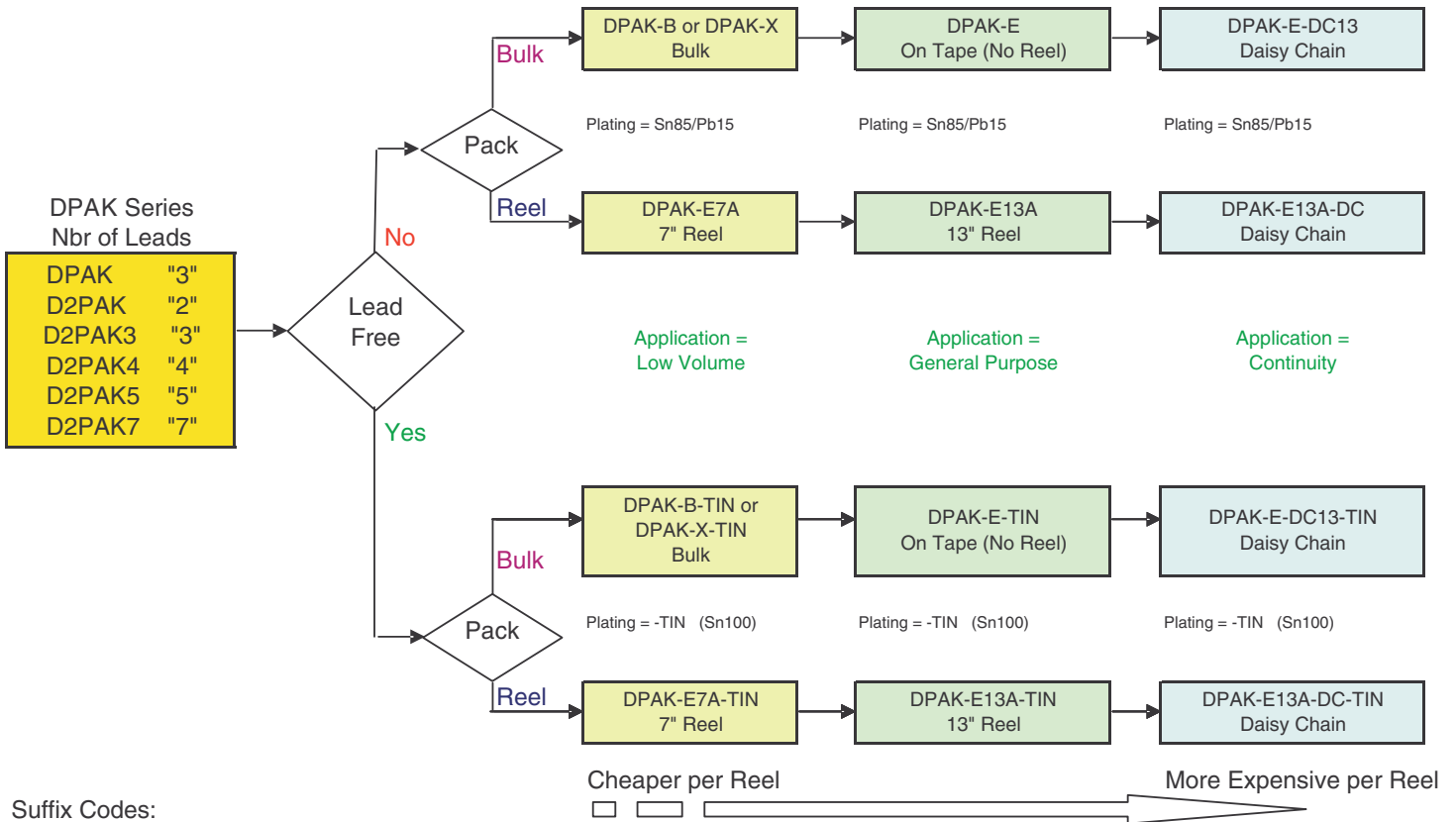
4 = 4" (100mm)  
 7 = 7" (180mm)  
 13 = 13" (330mm) Standard

**REEL MATERIAL**

A = Plastic

A

## Substituting "DPAK" Series



Suffix Codes:

Lead Free Plating: "TIN" = Sn100

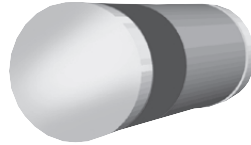
Pack: "B" = Bulk (unspecified pack), "X" = mini Pack Bags

Plastic Tape: E4A = 4" Mini Reel (special), E7A = 7" Reel (Special), E13A = 13" Reels

"E" = On Plastic Tape. No Reel

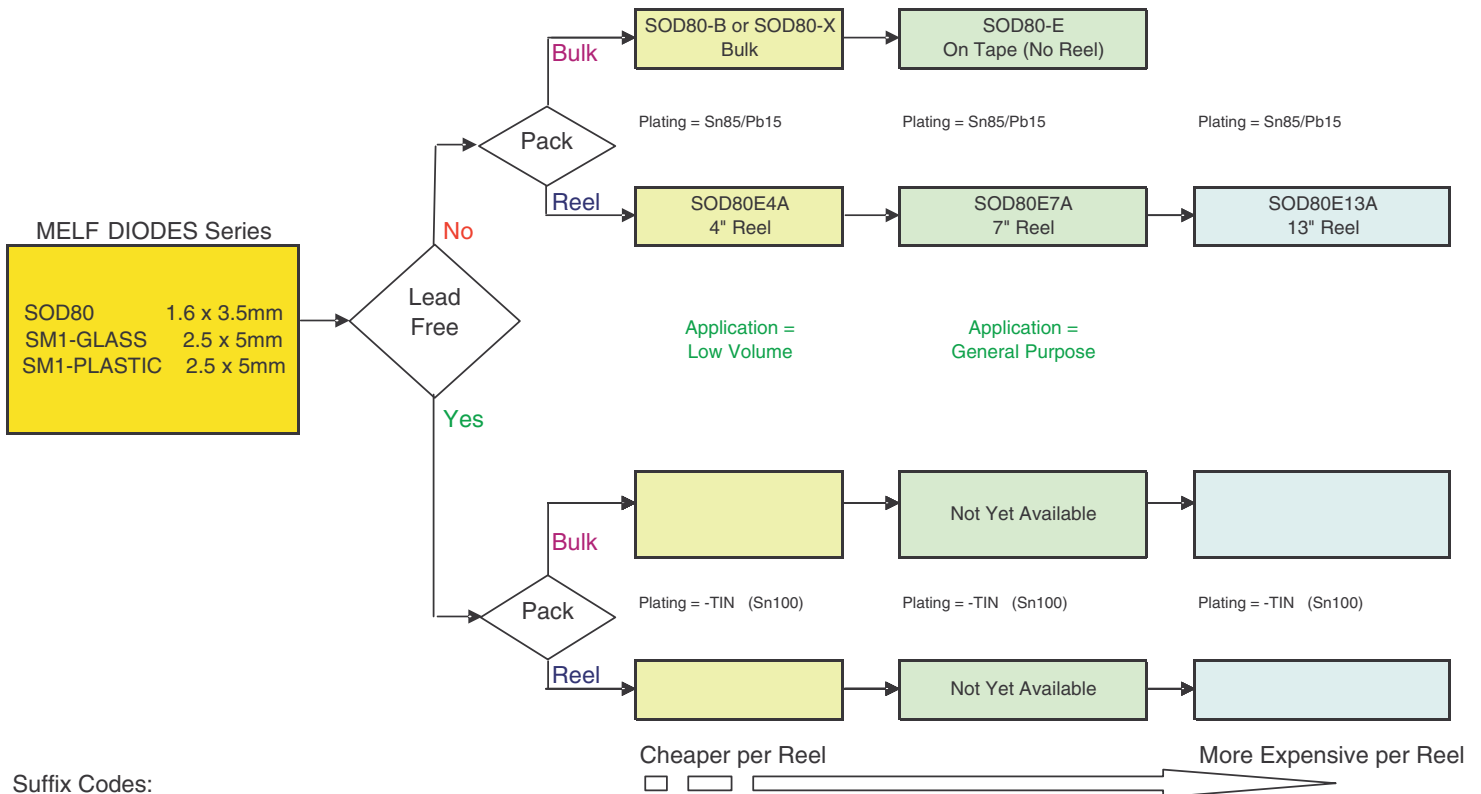
DC = Daisy Chain: See drawing for details

## MELF Diode



<p><b>SOD</b></p> <p><b>DISCRETE DEVICE</b>          SOD = Small Outline Diode          SM = Standard Melf</p>	<p><b>80</b></p> <p><b>BODY CODE</b>          Refer to drawings          for dimensions</p>	<p><b>E</b></p> <p><b>PACKAGING</b>          E = Plastic Tape          B = Bulk Bag          X = Small Qty. Pack</p>	<p><b>7</b></p> <p><b>REEL SIZE</b>          4 = 4" (100mm)          7 = 7" (180mm)          13 = 13" (330mm)</p> <p><b>REEL MATERIAL</b>          A = Plastic</p>	<p><b>A</b></p>
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## Substituting "MELF" Diodes



Suffix Codes:

Lead Free Plating: "TIN" = Sn100

Pack: "B" = Bulk (unspecified pack), "X" = mini Pack Bags

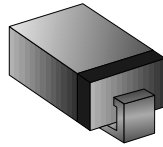
Plastic Tape: E4A = 4" Mini Reel (special), E7A = 7" Reel, E13A = 13" Reels

"E" = On Plastic Tape. No Reel

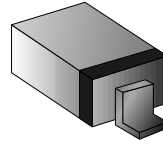
Note: SM1-GLASS = Glass Body SM1-PLASTIC = Epoxy Molded Body

Normally, Glass or Plastic bodies can be substituted for one another.

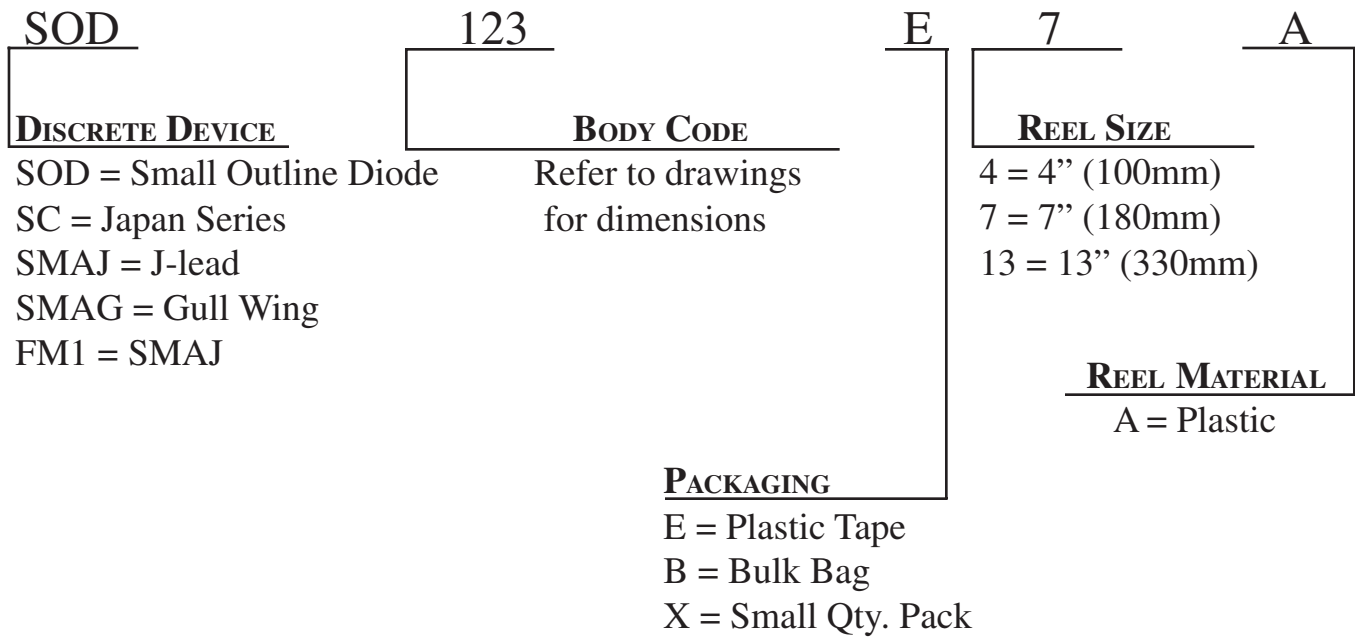
## Rectangular Diode (Rectifier)



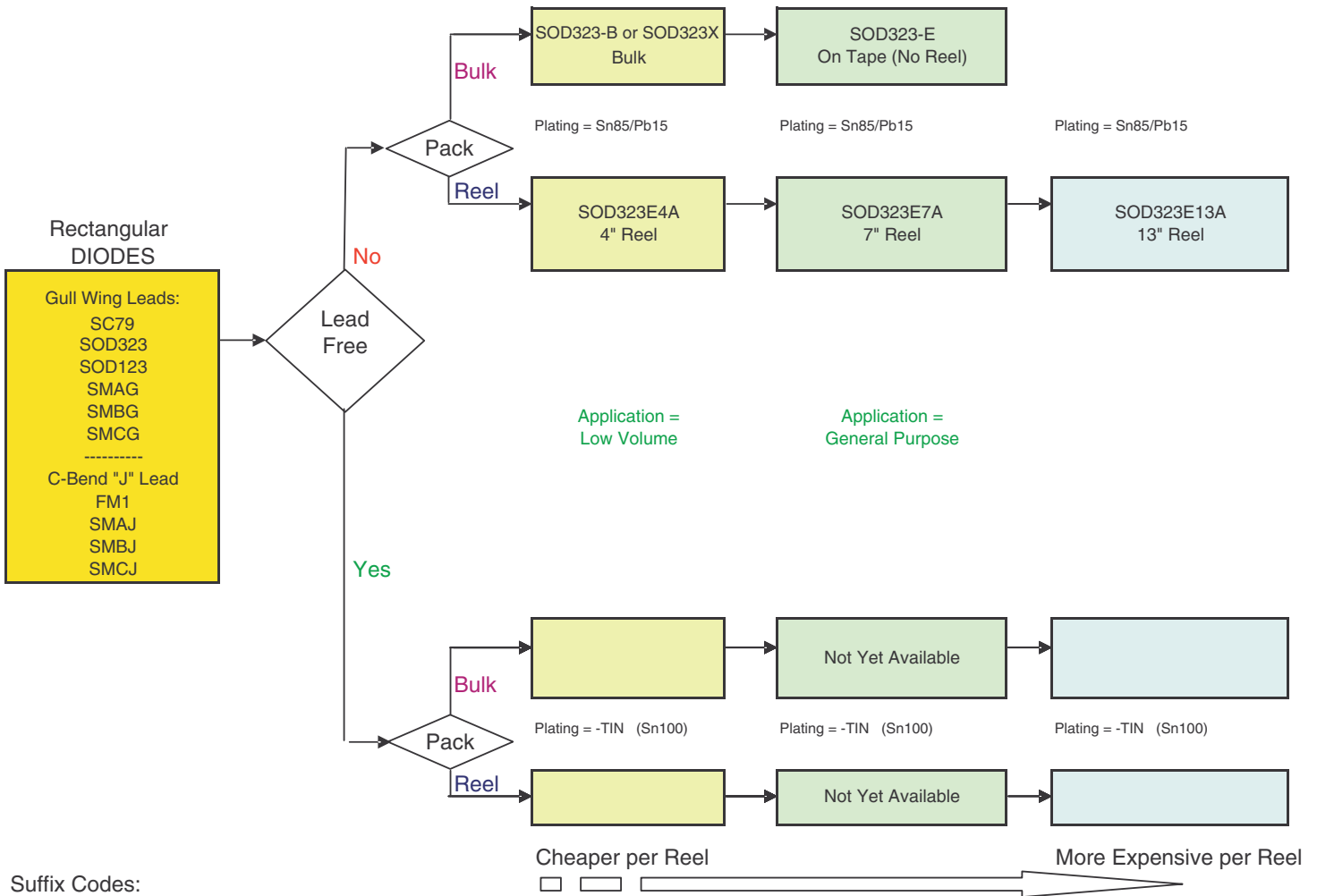
C-BEND  
LEAD



GULL-WING  
LEAD



## Substituting “Rectangular” Diodes



Suffix Codes:

"E" = On Plastic Tape. No Reel

Pack: "B" = Bulk (unspecified pack), "X" = mini Pack Bags

Plastic Tape: E4A = 4" Mini Reel (special), E7A = 7" Reel, E13A = 13" Reels



## Part Numbering System

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[www.topline.tv](http://www.topline.tv)

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