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# Datasheet.Company

# Packaging

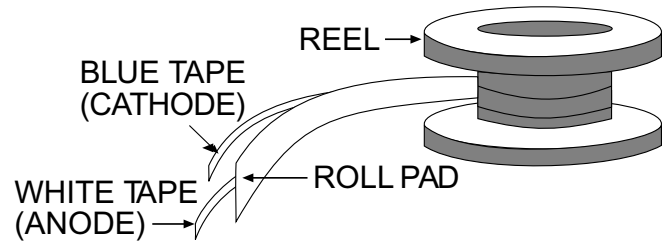
## Littelfuse packaging specifications

### 1. T.V.S. PRODUCT

Littelfuse devices are available in Bulk or Tape and Reel packaging, this option is requested by inserting either a 'B' or a 'T' into the Littelfuse part number.

Littelfuse's standard practice for tape and reel product meets the requirements of EIA Standard RS-296-D, "Lead Taping of Components in Axial Lead Configuration for Automatic Insertion", level 1.

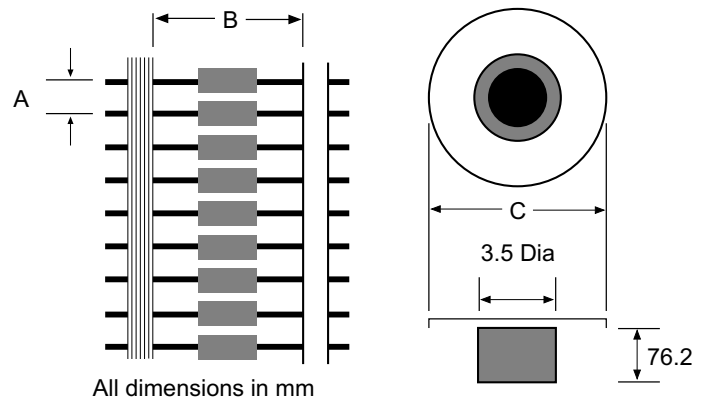
The quantity per reel or per bulk package are indicated below. Orders for all Littelfuse T.V.S. axial product are only processed and shipped in full reel / bulk increments, or multiples of.



LITTELFUSE PART NUMBER	CASE TYPE	QUANTITY PER REEL	QUANTITY PER BULK PACK	COMPONENT SPACING (mm) A	TAPE SPACING (mm) B	REEL DIMENSION (mm) C
SMBJ series	D0-214AA	3000	N/A	8	N/A	330
P6MSBJ series	D0-214AA	3000	N/A	8	N/A	330
1KSMBJ series	D0-214AA	3000	N/A	8	N/A	330
SA series	D0-15	5000	1000	5	52.4 +/- 0.5	335
P6KE series	D0-15	5000	1000	5 +/- 0.5	52.4 +/- 0.5	335
1.5KE, ICTE, MPTE, LCE series	D0-201AD	1500	500	5 +/- 0.5	52.4 +/- 0.5	335
1N56, 1N60 series	D0-13	1000	500	10 +/- 0.5	52.4 +/- 0.5	335
5KP series	R6	1000	500	10 +/- 0.5	52.4 +/- 0.5	335
15KP series	R6	1000	500	10 +/- 0.5	52.4 +/- 0.5	335
Foldbak series	D0-201AD	1500	500	5 +/- 0.5	52.4 +/- 0.5	335
SLD series	R6	1000	500	10 +/- 0.5	52.4 +/- 0.5	335
15KP cells / 5KP cells	N/A	N/A	N/A	N/A	N/A	N/A
T10A series	D0-15	5000	1000	5 +/- 0.5	52.4 +/- 0.5	335
T10B series	D0-201AD	1500	500	10 +/- 0.5	52.4 +/- 0.5	335
T10C series	Case 3	N/A	500	N/A	N/A	N/A
SMBTJ series	D0-214AA	3000	N/A	8	N/A	330
TO-220 series	T0-220	N/A	500	N/A	N/A	N/A

Our surface-mount components are placed in embossed cavities of anti-static/conductive carrier tape, and sealed with a cover tape. The taped devices are supplied in reels in protective boxes. The standard Littelfuse lead-tape packaging of surface-mount components follow the requirements of EIA 481-1, shown below.

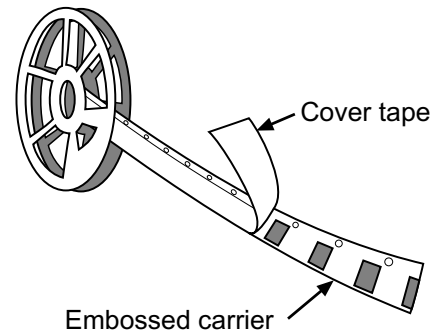
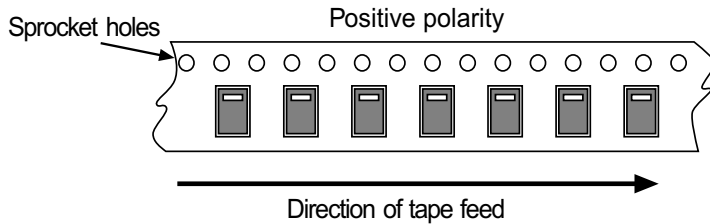
- Cover tape: This will not extend over the edge of the carrier tape or extend over any part of the sprocket holes
- Carrier tape: This will release from the reel hub as the last portion of the tape unwinds from the reel without damage to the carrier tape and with the components remaining in the cavities.
- Leader tape: A minimum length of 300mm leader (and trailer) of tape will be provided before the first (and after the last) component on the reel, with a minimum of forty empty component carrier pockets covered with tape.



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- Orientation for polarised components: Cathode (positive polarity) Adjacent to the sprocket holes. The quantity per reel will be as indicated in table. Orders for tape and reeled product will be processed and shipped in full reels only, any scheduled orders will be supplied in full reels or multiples thereof.



## 2. G.D.T. PRODUCT

Littelfuse G.D.T. devices are packaged according to their pin configuration. The packaging is designed to protect the device during transit, this is partially important for devices with pins, thereby ensuring that they interface correctly with their respective connection systems.

Littelfuse’s standard practice for tape and reel product (SL1011 only) meets the requirements of EIA Standard RS-296-D, ‘Lead Taping Components in Axial Lead Configuration for Automatic Insertion’ Standard Level 1.

The quantity per reel or per bulk package are indicated below. Orders for all Littelfuse G.D.T. products are only processed and shipped in full reel / bulk increments, or multiples of.

LITTELFUSE PART NUMBER	PACKAGING SPECIFICATION
SL1002 series (Opt "C")	1000 Bulk Packed
SL1002 series (Opt "SM")	= 1000 pcs Reeled (Tape width -16m)
SL1003 series (Opt "C")	1000 Bulk Packed
SL1003 series (Opt "R")	10 x Trays of 100
SL1011 series (Opt "A")	1000 Taped & Reeled
SL1011 series (Opt "C")	1000 Bulk Packed
SL1011 series (formed options)	10 x Trays of 100
SL1021 series	10 x Trays of 100
SL1026 series	20 pcs per vacuum pack
SL1053	1 pc per bag
SL1122 series	10 x Trays of 100

The packaging specification indicated in the table is standard for the majority of configurations within the Littelfuse range. Some specific pin configurations may not fall within the above, please consult the factory for details.