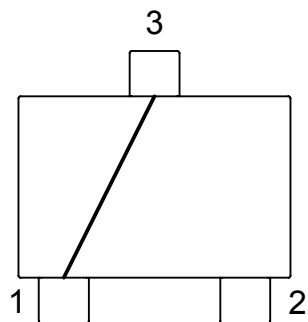


Notes: (Unless Otherwise Specified).

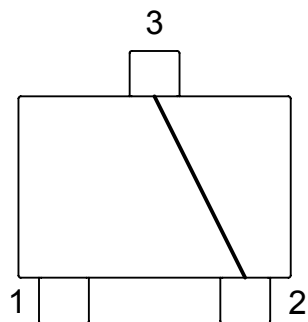
- 1) DIMENSIONS IN mm.
- 2) SEE DAISY CHAIN JUMPER DIAGRAMS (PAGE 2).
- 3) SEE PART NUMBER CONFIGURATION (PAGE 4).
- 4) RECOMMENDED PCB BOARD LAYOUT PATTERN (PAGE 7).

APPROVALS	DATE	<b>TopLine®</b>			
DRAWN T. Au	12/02/12				
ENG M. Hart	12/02/12	TITLE SOT723 JUMPER DAISY CHAIN			
MFG		SCALE	SIZE	DRAWING NO.	REV
QA		45:1	A	120723	A
CUST		DO NOT SCALE DRAWING			SHEET 1 OF 7
REVISED					

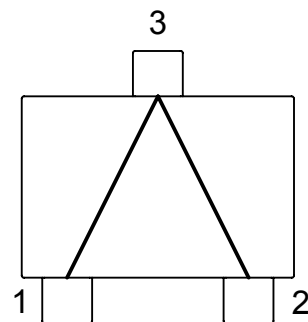
**INTERNAL WIRING CIRCUIT (JUMPER)**  
**DAISY CHAIN PART NUMBER SUFFIX**  
**TOP VIEW**



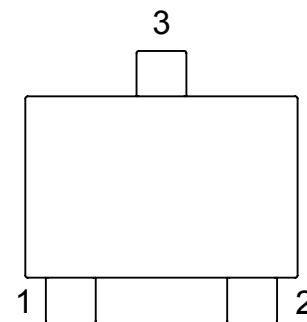
**DC13**  
**1-WIRE**



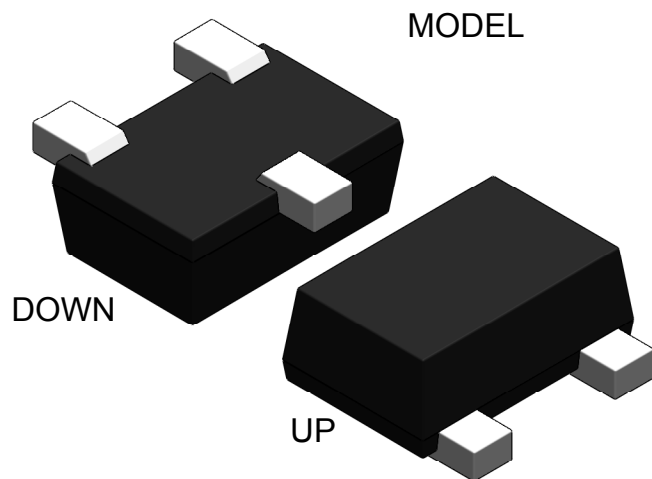
**DC23**  
**1-WIRE**



**DC123**  
**2-WIRE**

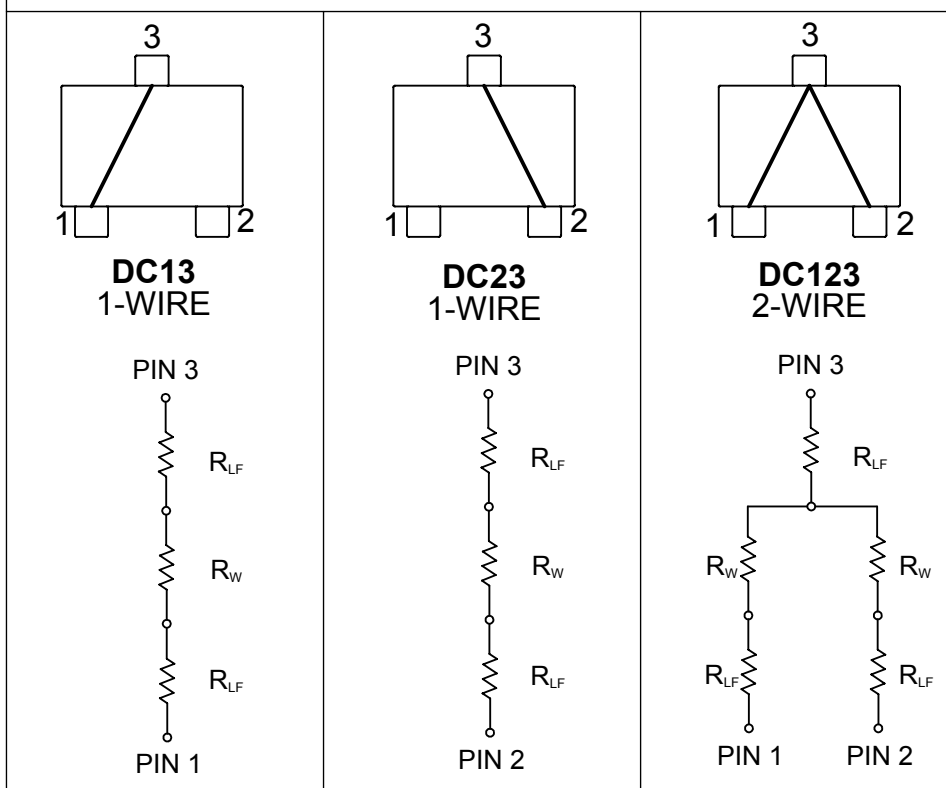


**-ISO**  
**NO WIRES**  
**FULLY ISOLATED**



<b>TopLine®</b>			
TITLE		SOT723 JUMPER DAISY CHAIN	
SCALE	SIZE	DRAWING NO.	REV
45:1	A	120723	A
DO NOT SCALE DRAWING			SHEET 2 OF 7

### SCHEMATIC EQUIVALENT INTERNAL CIRCUIT



$R_W$  = GOLD WIRE-BOND.  
 $R_{LF}$  = LEAD FRAME.

TEMPERATURE RATING	
JUNCTION TEMP $T_J$	150°C
STORAGE TEMP $T_{stg}$	-65°C TO 150°C
OPERATING TEMP	-65°C TO 150°C
PEAK REFLOW TEMP $T_{reflow}$ 10 SECONDS	260°C

MAXIMUM ELECTRICAL (DC) RATING	
WORKING VOLTAGE	75 V
CURRENT RATING	200 mA
POWER @ 25°C	260 mW

THERMAL RESISTANCE	
JUNCTION TO AMBIENT ( $T_a=25^\circ$ ) $R_{th(j-a)}$	490°C/W

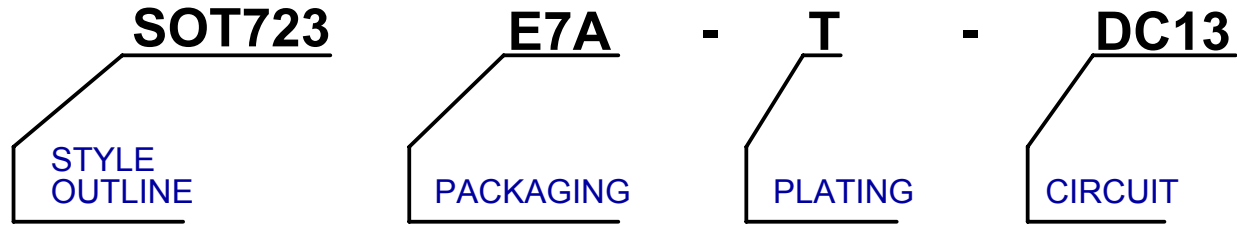
### ELECTRICAL RESISTANCE MILIOHM (DC) MAX

CIRCUIT	PIN 1 TO 3	PIN 2 TO 3	PIN 1 TO 2
DC13	50 mΩ	--	--
DC23	--	50 mΩ	--
DC123	50 mΩ	50 mΩ	75 mΩ

**TopLine®**

TITLE		SOT723 JUMPER DAISY CHAIN	
SCALE	SIZE	DRAWING NO.	REV
20:1	A	120723	A
DO NOT SCALE DRAWING			SHEET 3 OF 7

## PART NUMBERING SYSTEM



3 - TERMINAL  
FLAT LEAD  
PACKAGE


E7A =  
REEL 8000 pcs  
  
E4A =  
REEL 1000 pcs

T =  
Pb-FREE  
RoHS  
LEAD FREE  
  
Sn100  
MATTE TIN

DAISY CHAIN  
JUMPER  
  
DC13 PIN 1-3  
  
DC23 PIN 2-3  
  
DC123 PIN 1-2-3  
2 WIRES

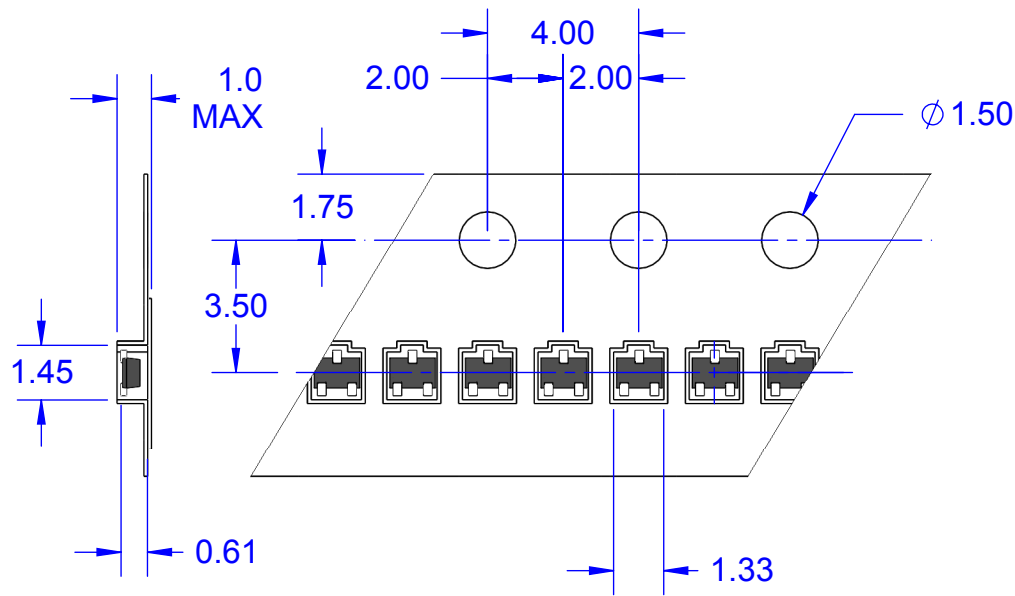
ISO = ISOLATED CIRCUIT  
NO CONECTIONS

PART NUMBER	SHORTED PINS	NOTES	RoHS Pb-FREE	MSL LEVEL	HALOGEN FREE	GRADE	TOP MARK
SOT723E7A-TIN	N/A	DUMMY	YES	1	YES	COMMERCIAL	N/A
SOT723E7A-T-ISO	NONE	FULLY ISOLATED	YES	1	YES	COMMERCIAL	ISO
SOT723E7A-T-DC13	1-3	1-WIRE	YES	1	YES	COMMERCIAL	13
SOT723E7A-T-DC23	2-3	1-WIRE	YES	1	YES	COMMERCIAL	23
SOT723E7A-T-DC123	1-2-3	2-WIRES	YES	1	YES	COMMERCIAL	123

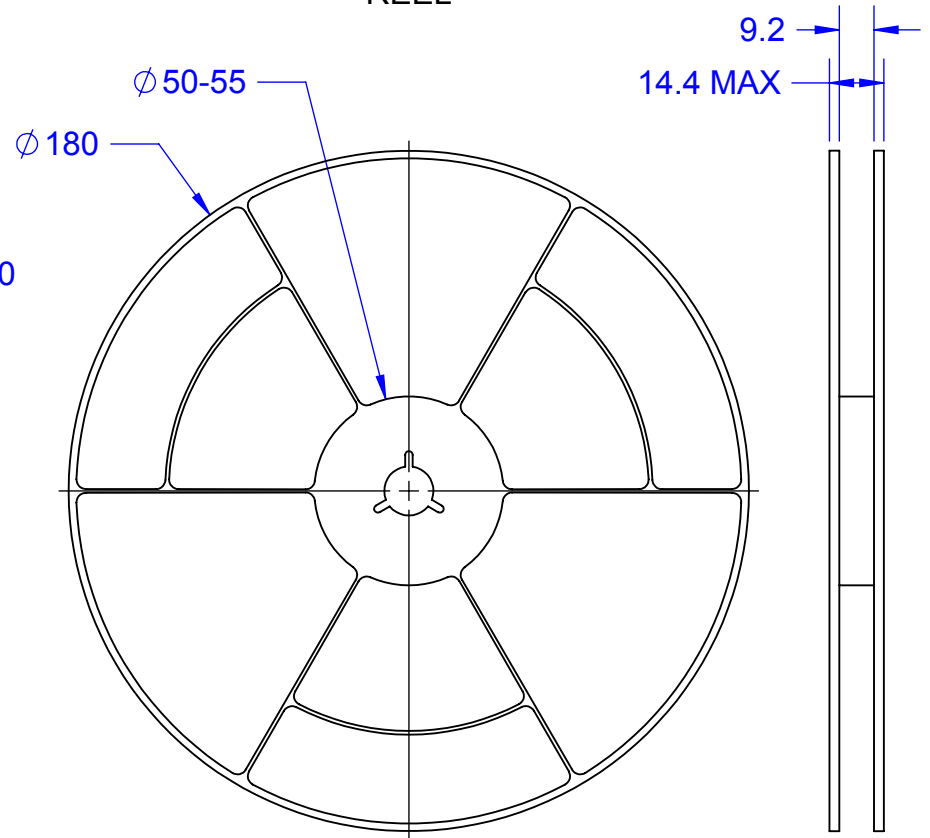


TITLE			
SOT723 JUMPER DAISY CHAIN			
SCALE	SIZE	DRAWING NO.	REV
20:1	A	120723	A
DO NOT SCALE DRAWING			SHEET 4 OF 7

TAPE SPECIFICATION FOR SOT723  
SURFACE MOUNT DEVICE



REEL

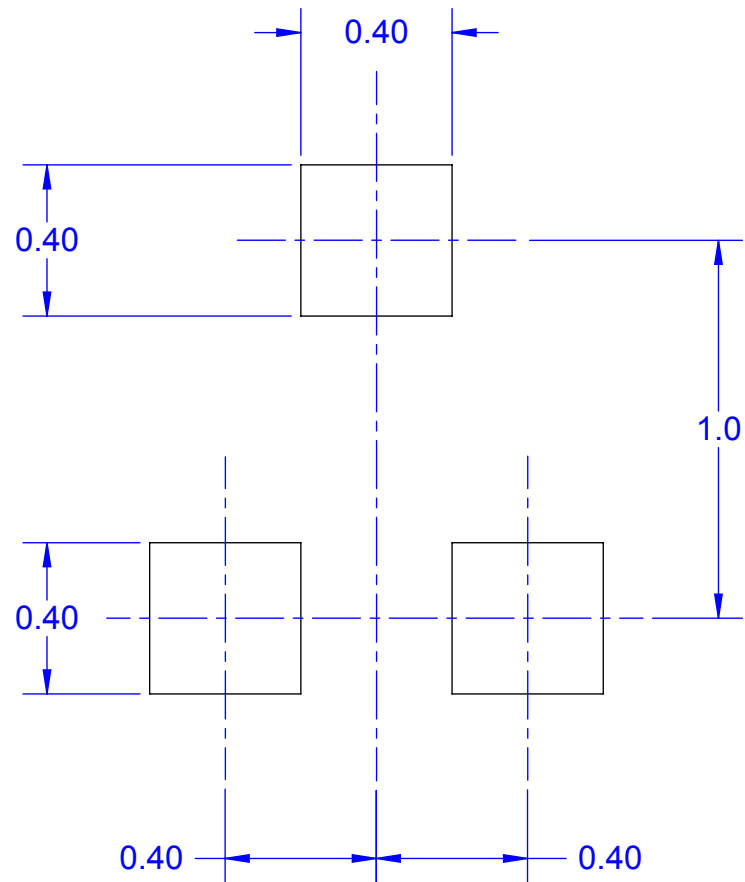


180mm (7") REEL - 8000PCS  
100mm (4") REEL - 1000 PCS  
OTHER QUANTITY AVAILABLE

ALL DIMENSIONS IN mm.

<b>TopLine®</b>			
TITLE		SOT723 JUMPER DAISY CHAIN	
SCALE	SIZE	DRAWING NO.	REV
	A	120723	A
DO NOT SCALE DRAWING			SHEET 5 OF 7

## PART NUMBERING SYSTEM



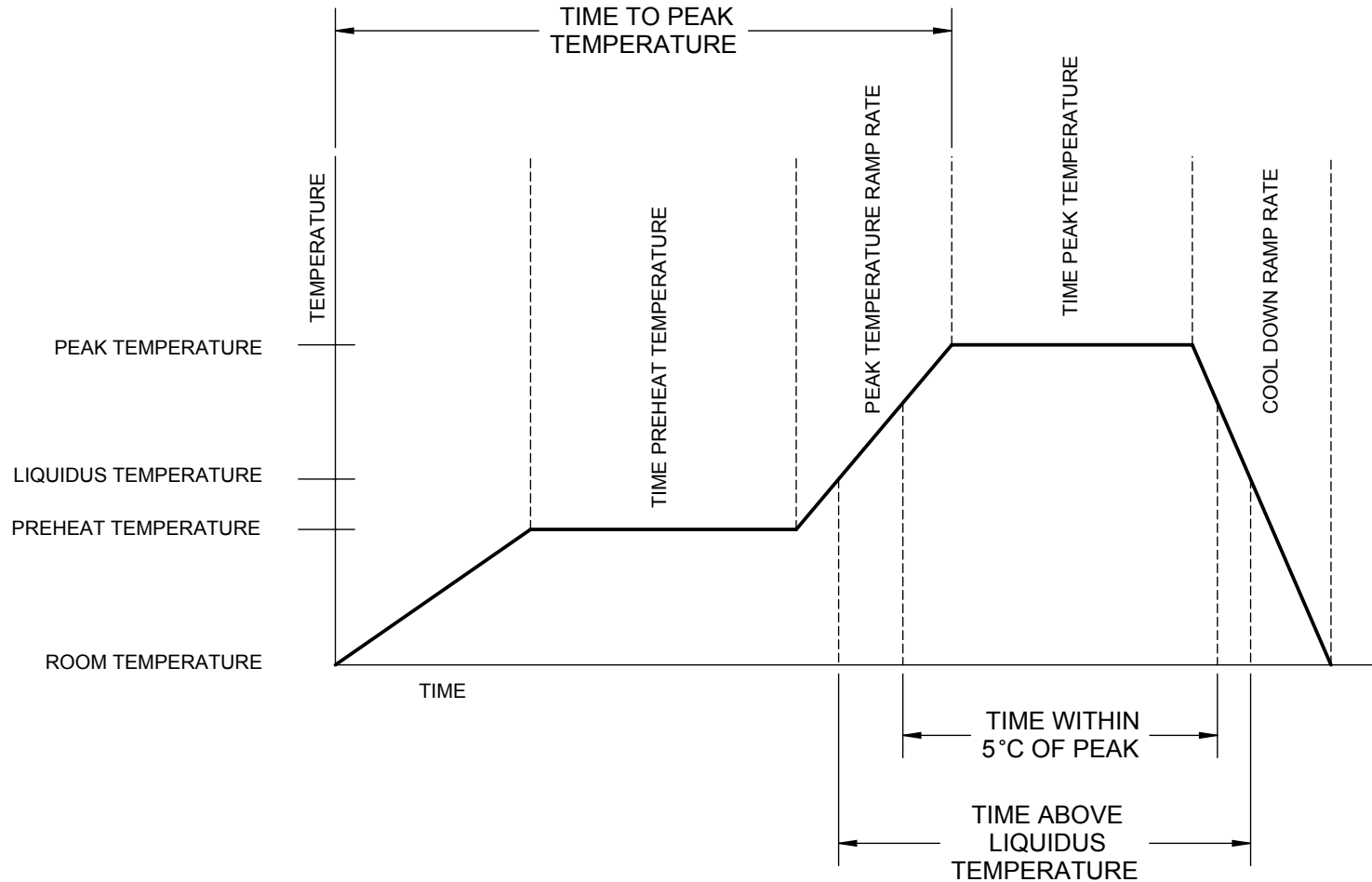
Notes: (Unless Otherwise Specified).

- 1) DIMENSIONS IN mm.
- 2) PCB BOARD DIMENSIONS ARE PRESENTED ONLY AS A GUIDELINE. DESIGNERS SHOULD USE THEIR OWN EXPERIENCE WHEN DESIGNING PCB.

**TopLine®**

TITLE		SOT723 JUMPER DAISY CHAIN	
SCALE	SIZE	DRAWING NO.	REV
50:1	A	120723	A
DO NOT SCALE DRAWING			SHEET 6 OF 7

# LEAD FREE REFLOW PROFILE OF SMD PACKAGE



DESCRIPTION	REQUIREMENT
AVERAGE PREHEAT RAMP RATE	3°C /SECOND MAXIMUM
PREHEAT TEMPERATURE	150°C MINIMUM, 200°C MAXIMUM
PREHEAT TIME	60 TO 80 SECONDS
RAMP TO PEAK	3°C /SECOND MAXIMUM
TIME OVER LIQUIDUS (217°C)	60 TO 150 SECONDS
PEAK TEMPERATURE	260°C +0/-5°C
TIME WITHIN 5°C OF PEAK	20 TO 40 SECONDS
RAMP - COOL DOWN	6°C /SECONDS MAXIMUM
TIME 25°C TO PEAK	8 MINUTES MAXIMUM

<b>TopLine®</b>			
TITLE		SOT723 JUMPER DAISY CHAIN	
SCALE	SIZE	DRAWING NO.	REV
	A	120723	A
DO NOT SCALE DRAWING			SHEET 7 OF 7