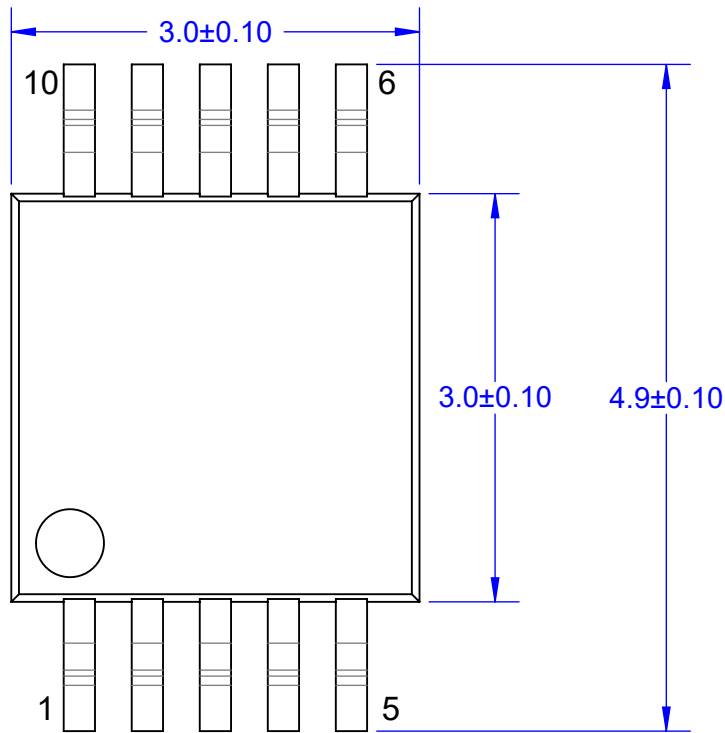
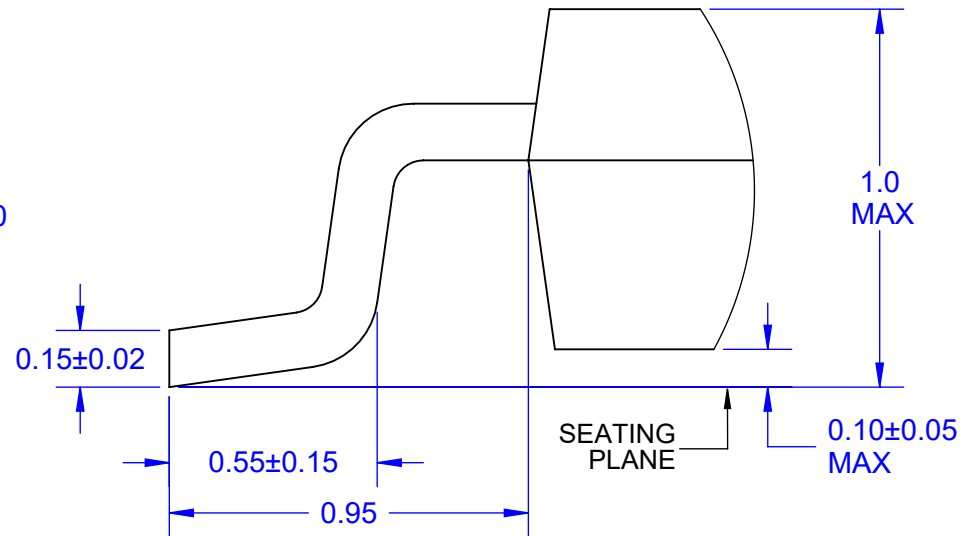


# ZERO OHM JUMPER

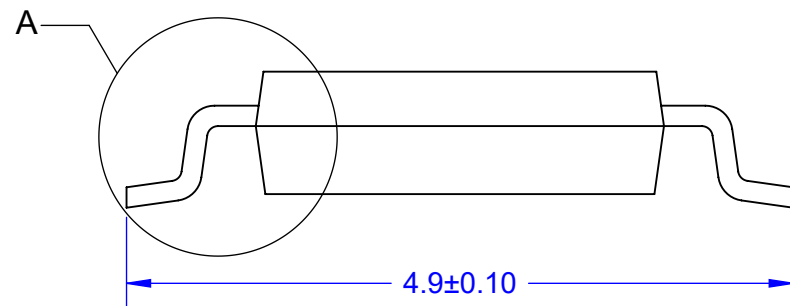
**TOP VIEW**



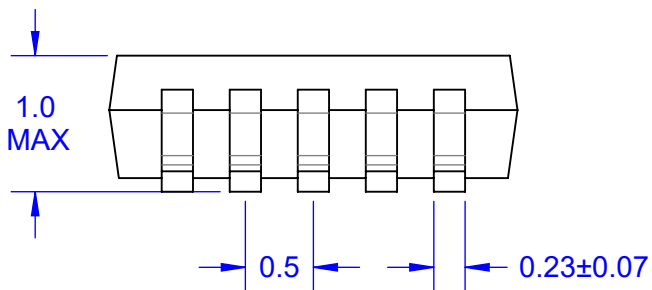
**DETAIL A**



**END VIEW**



**SIDE VIEW**

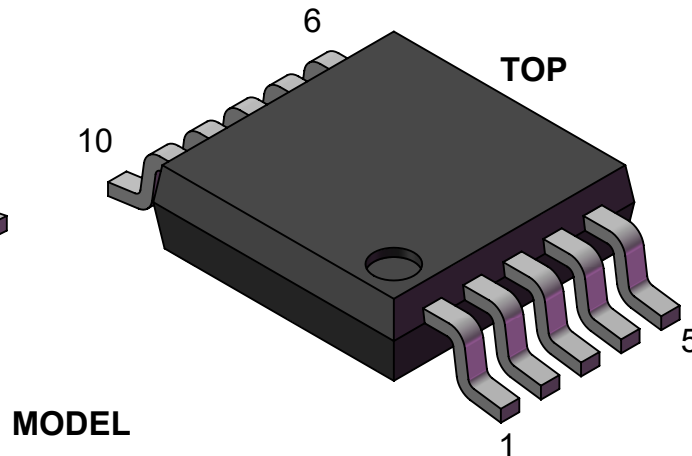
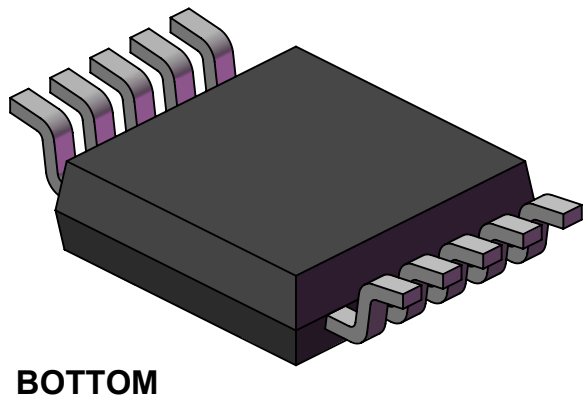
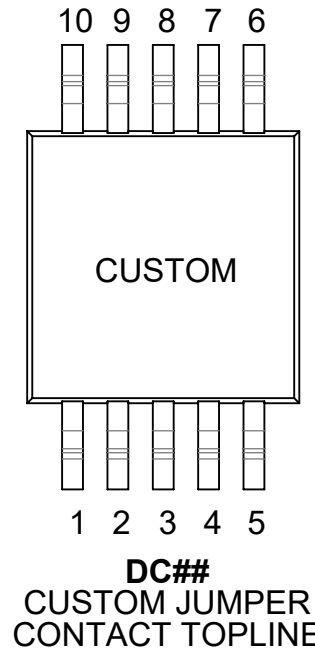
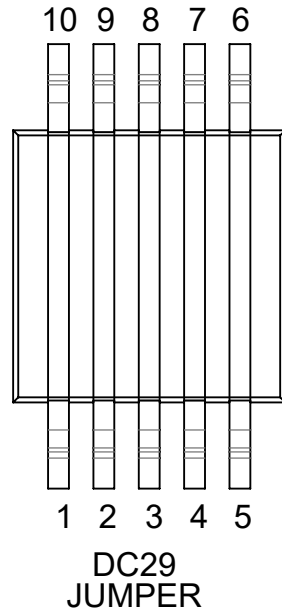


Notes: (Unless Otherwise Specified)

1. DIMENSIONS ARE IN mm.
2. SEE DAISY CHAIN JUMPER DIAGRAMS (PAGE 2).
3. SEE PART NUMBER CONFIGURATION (PAGE 3).
4. RECOMMENDED PC BOARD LAYOUT PATTERN (PAGE 5).

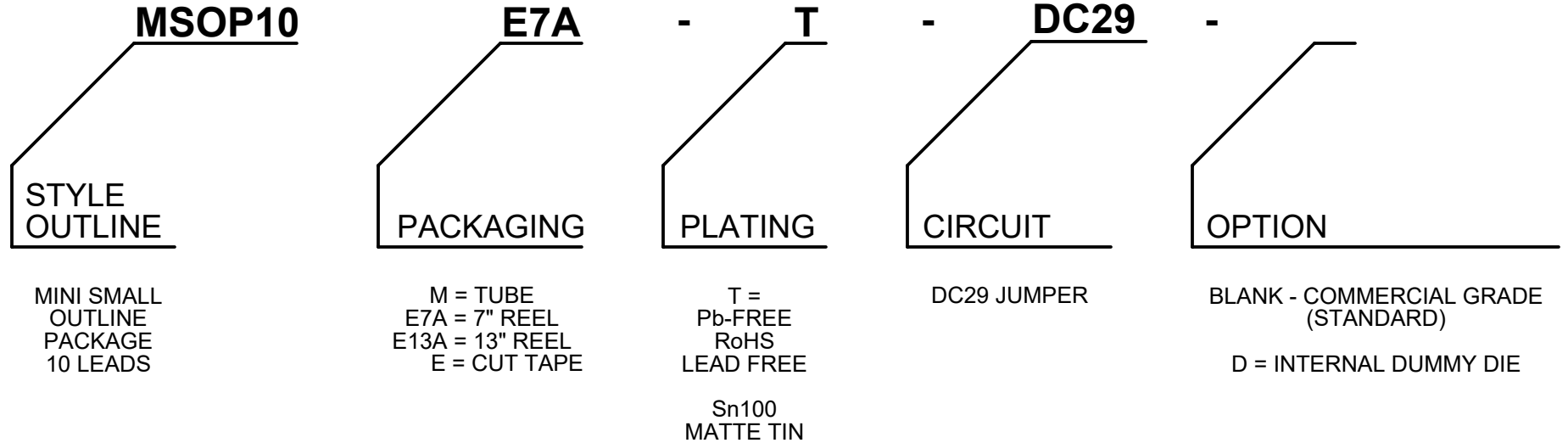
APPROVALS	DATE	<b>TopLine®</b>			
DRAWN T.Au	4/14/2024				
ENG M. Hart	4/14/2024	TITLE MSOP10-DC29 ZERO OHM JUMPER			
MFG		SCALE	SIZE	DRAWING NO.	REV
QA		18:1	A	121029	A
CUST		DO NOT SCALE DRAWING			SHEET 1 OF 6
REVISED					

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



<b>TopLine®</b>			
TITLE MSOP10-DC29 ZERO OHM JUMPER			
SCALE 12:1	SIZE A	DRAWING NO. 121029	REV A
DO NOT SCALE DRAWING			SHEET 2 OF 6

## PART NUMBERING SYSTEM

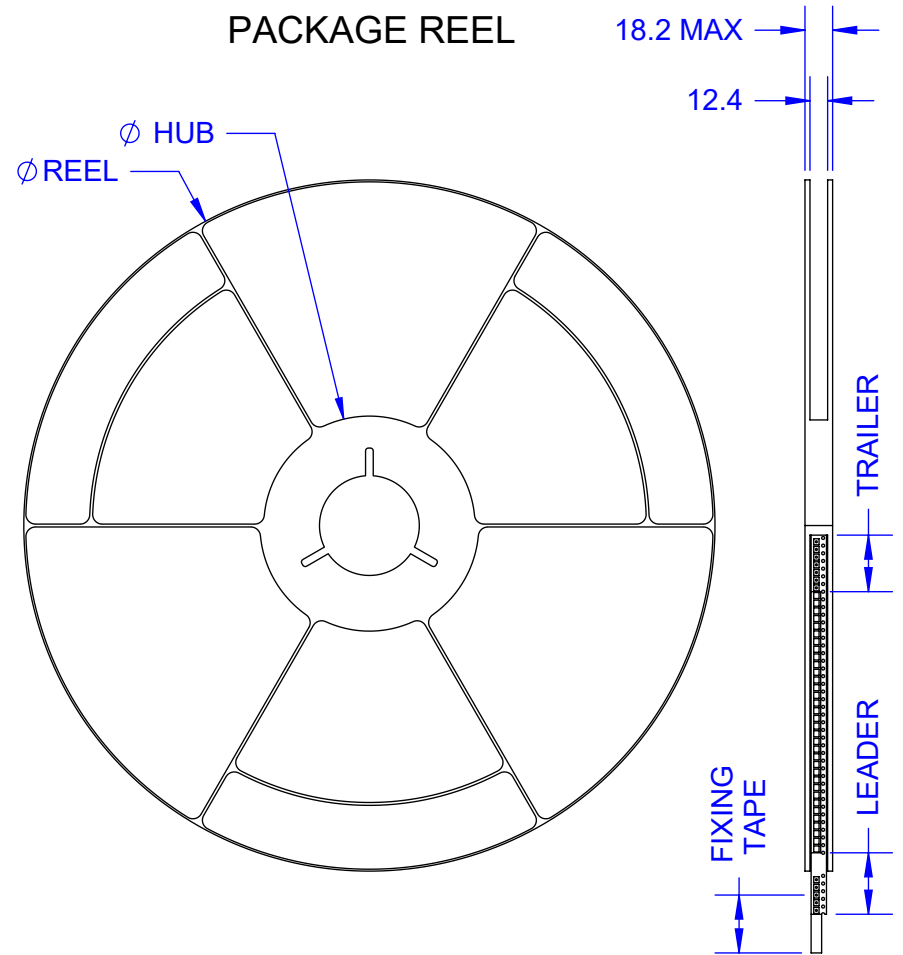
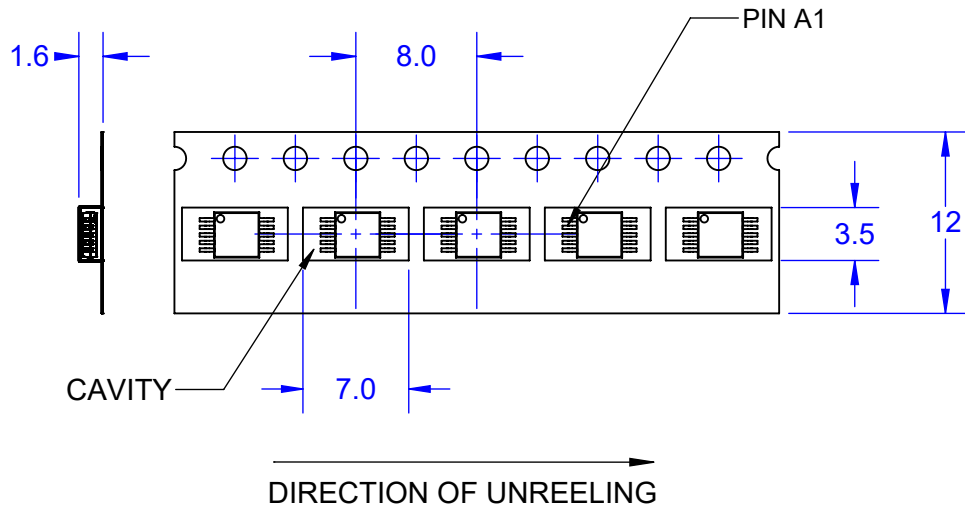


PART NUMBER	SHORTED PINS	PACKAGING	RoHS Pb-FREE	MSL LEVEL
MSOP10E-T-DC29	1-10, 2-9 3-8, 4-7, 5-6	CUT TAPE	YES	1
MSOP10E7A-T-DC29	1-10, 2-9 3-8, 4-7, 5-6	178mm REEL	YES	1
MSOP10E13A-T-DC29	1-10, 2-9 3-8, 4-7, 5-6	330mm REEL	YES	1

<b>TopLine®</b>			
TITLE MSOP10-DC29 ZERO OHM JUMPER			
SCALE NONE	SIZE A	DRAWING NO. 121029	REV A
DO NOT SCALE DRAWING			SHEET 3 OF 6

# TAPE SPECIFICATION MSOP10 SURFACE MOUNT DEVICE

## TAPE DIMENSIONS



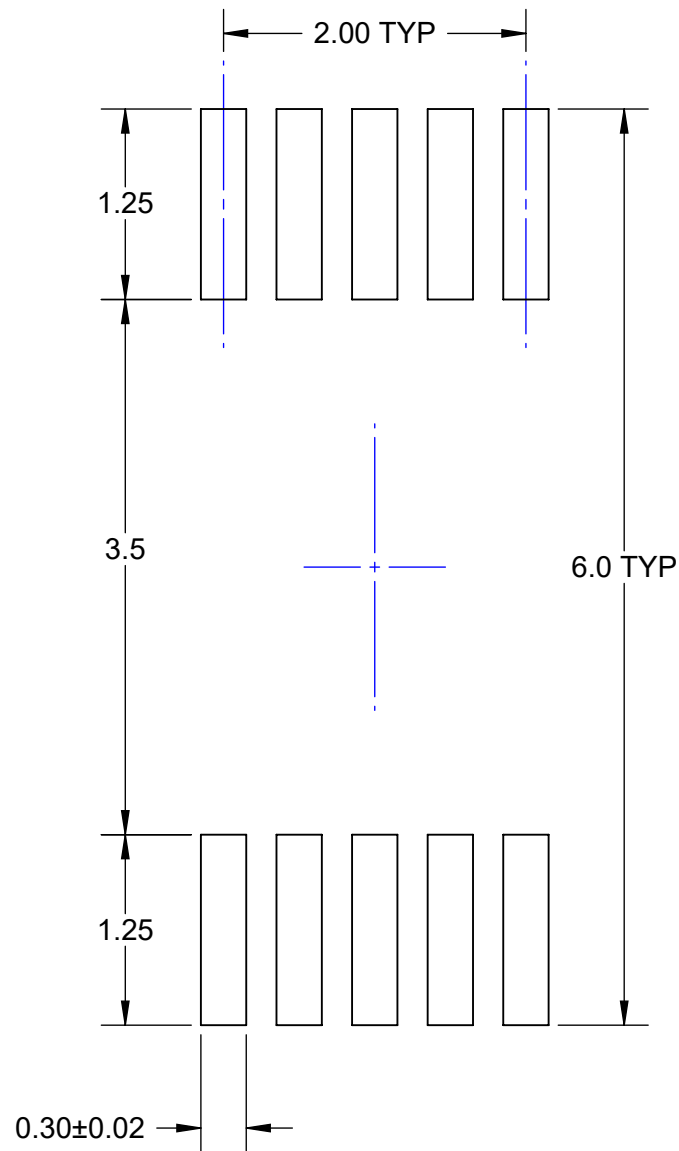
12mm TAPE  
1000~4000 PCS

REEL CODE		
CODE	REEL DIAMETER	HUB
E	NONE	NONE
E7A	178mm (7-inch)	50mm (2-inch)
E13A	330mm (13-inch)	100mm (4-inch)

ALL DIMENSIONS IN mm.

<b>TopLine®</b>			
TITLE MSOP10-DC29 ZERO OHM JUMPER			
SCALE 2:1	SIZE A	DRAWING NO. 121029	REV A
DO NOT SCALE DRAWING			SHEET 4 OF 6

# PCB BOARD LAND PATTERN



Notes: (Unless Otherwise Specified)

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

**TopLine**<sup>®</sup>

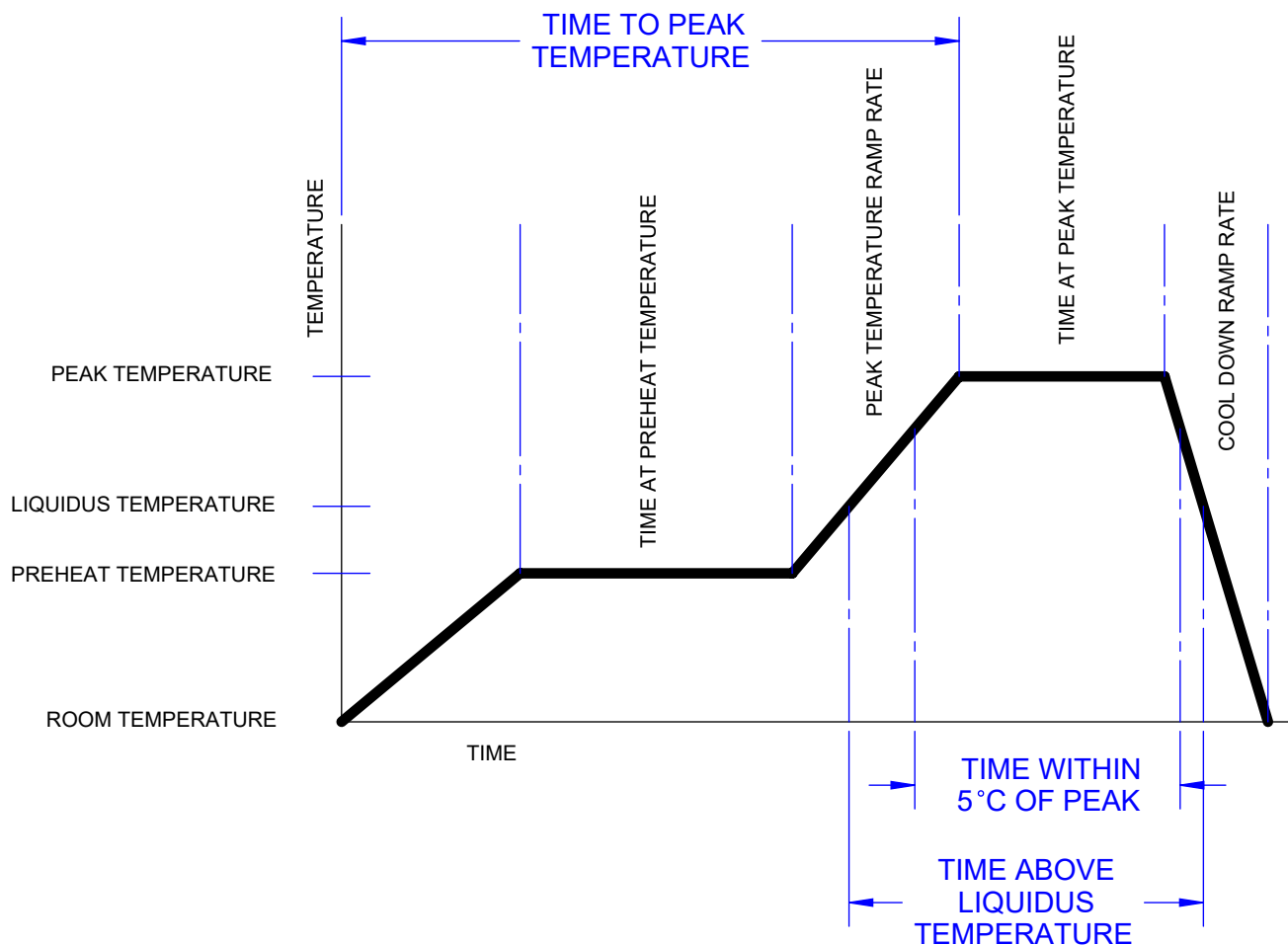
TITLE MSOP10-DC29  
ZERO OHM JUMPER

SCALE	SIZE	DRAWING NO.	REV
20:1	A	121029	A

DO NOT SCALE DRAWING

SHEET 5 OF 6

# 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 WITHING 5°C OF PEAK	20 TO 40 SECONDS
RAMP - COOL DOWN	6°C /SECONDS MAXIMUM
TIME 25°C TO PEAK	6 MINUTES MAXIMUM

**TopLine®**

TITLE MSOP10-DC29  
ZERO OHM JUMPER

SCALE NONE	SIZE A	DRAWING NO. 121029	REV A
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DO NOT SCALE DRAWING

SHEET 6 OF 6