



A	2016-3				
B	2019-4-12		RθJA=625 SOT363-6L SOT-363		
C	2019-4-20				
D	2020-11-10				
E	2021-10-16				



MMDT3946



/ Descriptions

SOT-363 PNP+NPN



/ Features

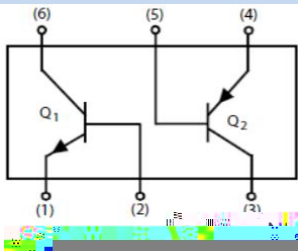
h_{FE} $V_{CE(sat)}$



/ Applications



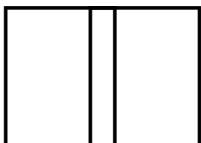
/ Equivalent Circuit



/ Pinning



/ h_{FE} Classifications & Marking





/ Absolute Maximum Ratings(Ta=25) (NPN)

			℃
			℃
		~	℃



/ Absolute Maximum Ratings(Ta=25) (PNP)

			℃
			℃
		~	℃



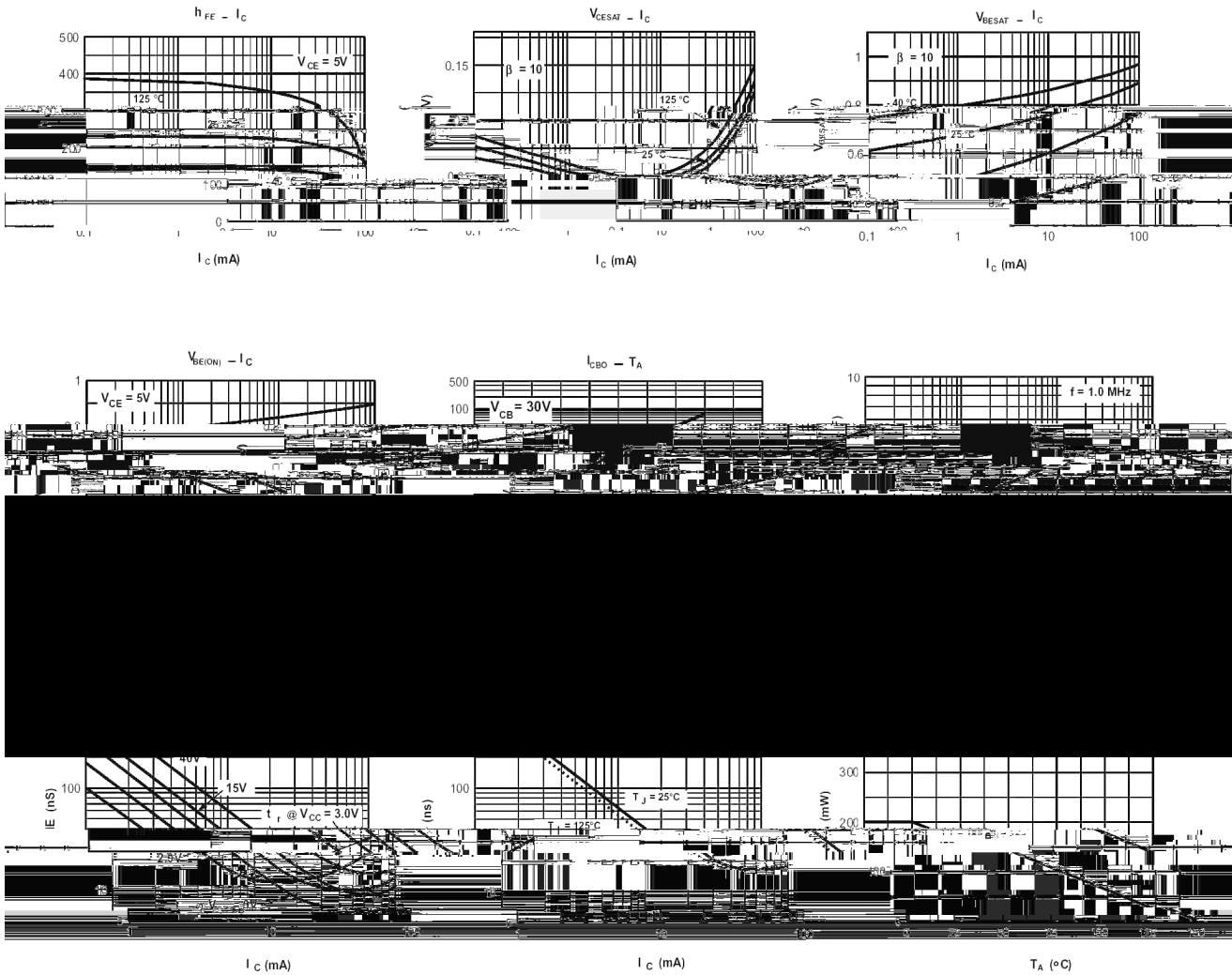
/ Electrical Characteristics(Ta=25) (NPN)

/ Electrical Characteristics(Ta=25) (PNP)

A 15x15 grid with various rectangles and squares overlaid on it. The shapes are black outlines of different sizes and orientations, some overlapping each other. The grid is composed of thin black lines. The shapes include: a 2x2 square at (1,12)-(2,13); a 2x2 square at (2,12)-(3,13); a 2x2 square at (3,12)-(4,13); a 2x2 square at (4,12)-(5,13); a 2x2 square at (5,12)-(6,13); a 2x2 square at (6,12)-(7,13); a 2x2 square at (7,12)-(8,13); a 2x2 square at (8,12)-(9,13); a 2x2 square at (9,12)-(10,13); a 2x2 square at (10,12)-(11,13); a 2x2 square at (11,12)-(12,13); a 2x2 square at (12,12)-(13,13); a 2x2 square at (13,12)-(14,13); a 2x2 square at (14,12)-(15,13); a 2x2 square at (1,14)-(2,15); a 2x2 square at (2,14)-(3,15); a 2x2 square at (3,14)-(4,15); a 2x2 square at (4,14)-(5,15); a 2x2 square at (5,14)-(6,15); a 2x2 square at (6,14)-(7,15); a 2x2 square at (7,14)-(8,15); a 2x2 square at (8,14)-(9,15); a 2x2 square at (9,14)-(10,15); a 2x2 square at (10,14)-(11,15); a 2x2 square at (11,14)-(12,15); a 2x2 square at (12,14)-(13,15); a 2x2 square at (13,14)-(14,15); a 2x2 square at (14,14)-(15,15); a 2x2 square at (1,15)-(2,16); a 2x2 square at (2,15)-(3,16); a 2x2 square at (3,15)-(4,16); a 2x2 square at (4,15)-(5,16); a 2x2 square at (5,15)-(6,16); a 2x2 square at (6,15)-(7,16); a 2x2 square at (7,15)-(8,16); a 2x2 square at (8,15)-(9,16); a 2x2 square at (9,15)-(10,16); a 2x2 square at (10,15)-(11,16); a 2x2 square at (11,15)-(12,16); a 2x2 square at (12,15)-(13,16); a 2x2 square at (13,15)-(14,16); a 2x2 square at (14,15)-(15,16); a 2x2 square at (1,16)-(2,17); a 2x2 square at (2,16)-(3,17); a 2x2 square at (3,16)-(4,17); a 2x2 square at (4,16)-(5,17); a 2x2 square at (5,16)-(6,17); a 2x2 square at (6,16)-(7,17); a 2x2 square at (7,16)-(8,17); a 2x2 square at (8,16)-(9,17); a 2x2 square at (9,16)-(10,17); a 2x2 square at (10,16)-(11,17); a 2x2 square at (11,16)-(12,17); a 2x2 square at (12,16)-(13,17); a 2x2 square at (13,16)-(14,17); a 2x2 square at (14,16)-(15,17); a 2x2 square at (1,17)-(2,18); a 2x2 square at (2,17)-(3,18); a 2x2 square at (3,17)-(4,18); a 2x2 square at (4,17)-(5,18); a 2x2 square at (5,17)-(6,18); a 2x2 square at (6,17)-(7,18); a 2x2 square at (7,17)-(8,18); a 2x2 square at (8,17)-(9,18); a 2x2 square at (9,17)-(10,18); a 2x2 square at (10,17)-(11,18); a 2x2 square at (11,17)-(12,18); a 2x2 square at (12,17)-(13,18); a 2x2 square at (13,17)-(14,18); a 2x2 square at (14,17)-(15,18); a 2x2 square at (1,18)-(2,19); a 2x2 square at (2,18)-(3,19); a 2x2 square at (3,18)-(4,19); a 2x2 square at (4,18)-(5,19); a 2x2 square at (5,18)-(6,19); a 2x2 square at (6,18)-(7,19); a 2x2 square at (7,18)-(8,19); a 2x2 square at (8,18)-(9,19); a 2x2 square at (9,18)-(10,19); a 2x2 square at (10,18)-(11,19); a 2x2 square at (11,18)-(12,19); a 2x2 square at (12,18)-(13,19); a 2x2 square at (13,18)-(14,19); a 2x2 square at (14,18)-(15,19); a 2x2 square at (1,19)-(2,20); a 2x2 square at (2,19)-(3,20); a 2x2 square at (3,19)-(4,20); a 2x2 square at (4,19)-(5,20); a 2x2 square at (5,19)-(6,20); a 2x2 square at (6,19)-(7,20); a 2x2 square at (7,19)-(8,20); a 2x2 square at (8,19)-(9,20); a 2x2 square at (9,19)-(10,20); a 2x2 square at (10,19)-(11,20); a 2x2 square at (11,19)-(12,20); a 2x2 square at (12,19)-(13,20); a 2x2 square at (13,19)-(14,20); a 2x2 square at (14,19)-(15,20); a 2x2 square at (1,20)-(2,21); a 2x2 square at (2,20)-(3,21); a 2x2 square at (3,20)-(4,21); a 2x2 square at (4,20)-(5,21); a 2x2 square at (5,20)-(6,21); a 2x2 square at (6,20)-(7,21); a 2x2 square at (7,20)-(8,21); a 2x2 square at (8,20)-(9,21); a 2x2 square at (9,20)-(10,21); a 2x2 square at (10,20)-(11,21); a 2x2 square at (11,20)-(12,21); a 2x2 square at (12,20)-(13,21); a 2x2 square at (13,20)-(14,21); a 2x2 square at (14,20)-(15,21); a 2x2 square at (1,21)-(2,22); a 2x2 square at (2,21)-(3,22); a 2x2 square at (3,21)-(4,22); a 2x2 square at (4,21)-(5,22); a 2x2 square at (5,21)-(6,22); a 2x2 square at (6,21)-(7,22); a 2x2 square at (7,21)-(8,22); a 2x2 square at (8,21)-(9,22); a 2x2 square at (9,21)-(10,22); a 2x2 square at (10,21)-(11,22); a 2x2 square at (11,21)-(12,22); a 2x2 square at (12,21)-(13,22); a 2x2 square at (13,21)-(14,22); a 2x2 square at (14,21)-(15,22); a 2x2 square at (1,22)-(2,23); a 2x2 square at (2,22)-(3,23); a 2x2 square at (3,22)-(4,23); a 2x2 square at (4,22)-(5,23); a 2x2 square at (5,22)-(6,23); a 2x2 square at (6,22)-(7,23); a 2x2 square at (7,22)-(8,23); a 2x2 square at (8,22)-(9,23); a 2x2 square at (9,22)-(10,23); a 2x2 square at (10,22)-(11,23); a 2x2 square at (11,22)-(12,23); a 2x2 square at (12,22)-(13,23); a 2x2 square at (13,22)-(14,23); a 2x2 square at (14,22)-(15,23); a 2x2 square at (1,23)-(2,24); a 2x2 square at (2,23)-(3,24); a 2x2 square at (3,23)-(4,24); a 2x2 square at (4,23)-(5,24); a 2x2 square at (5,23)-(6,24); a 2x2 square at (6,23)-(7,24); a 2x2 square at (7,23)-(8,24); a 2x2 square at (8,23)-(9,24); a 2x2 square at (9,23)-(10,24); a 2x2 square at (10,23)-(11,24); a 2x2 square at (11,23)-(12,24); a 2x2 square at (12,23)-(13,24); a 2x2 square at (13,23)-(14,24); a 2x2 square at (14,23)-(15,24); a 2x2 square at (1,24)-(2,25); a 2x2 square at (2,24)-(3,25); a 2x2 square at (3,24)-(4,25); a 2x2 square at (4,24)-(5,25); a 2x2 square at (5,24)-(6,25); 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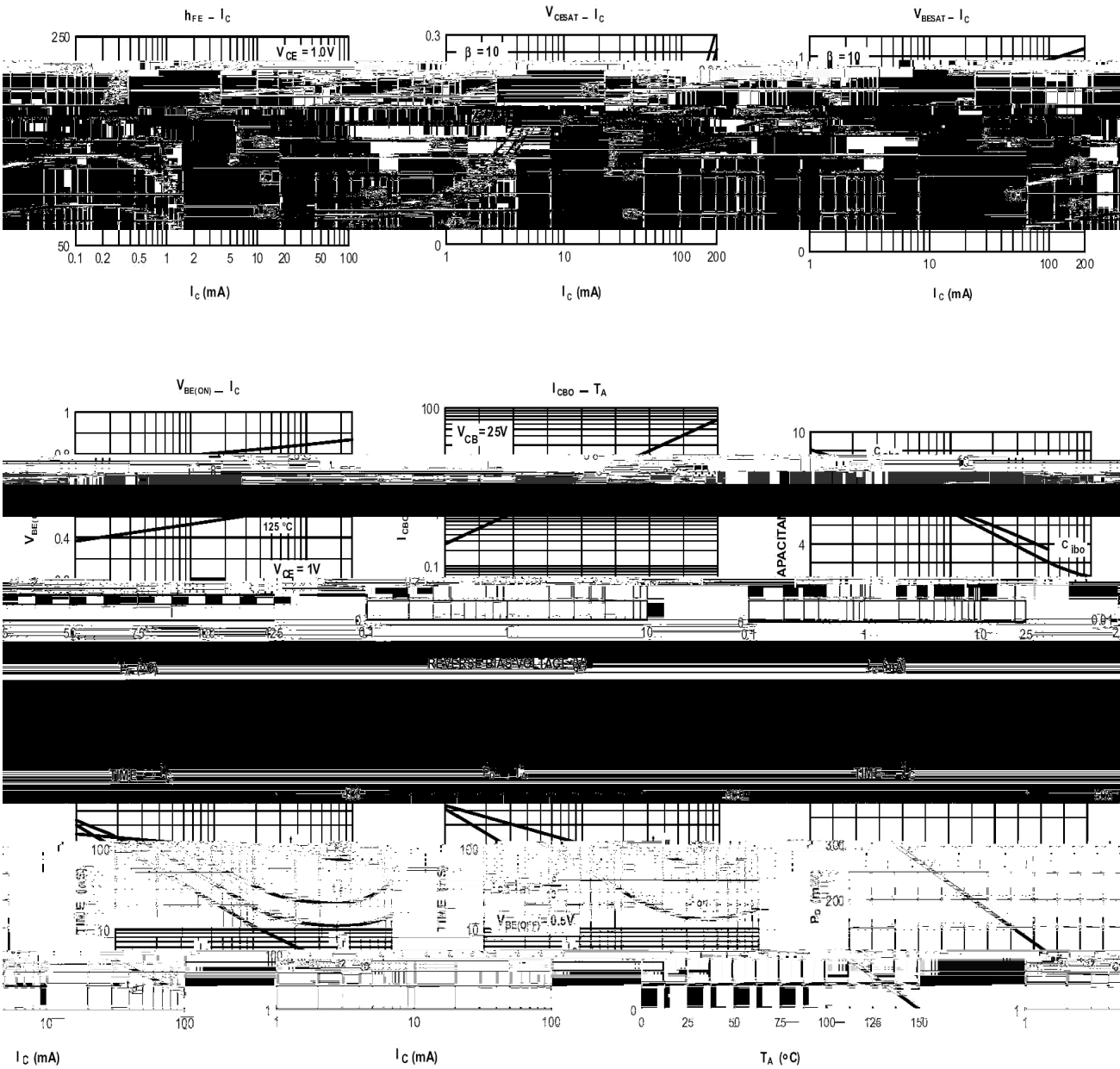


/ Electrical Characteristic Curve (NPN)



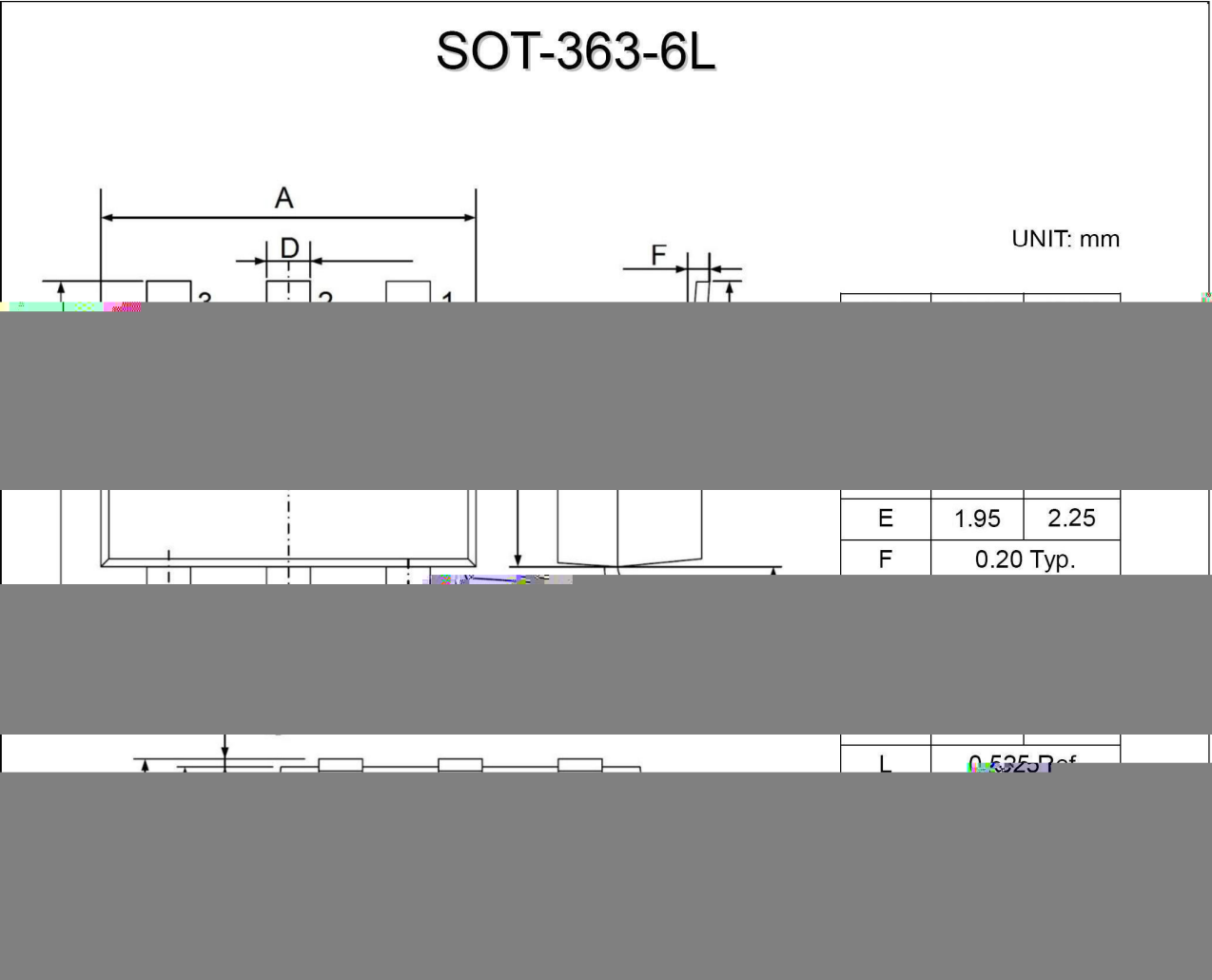


/ Electrical Characteristic Curve (PNP)



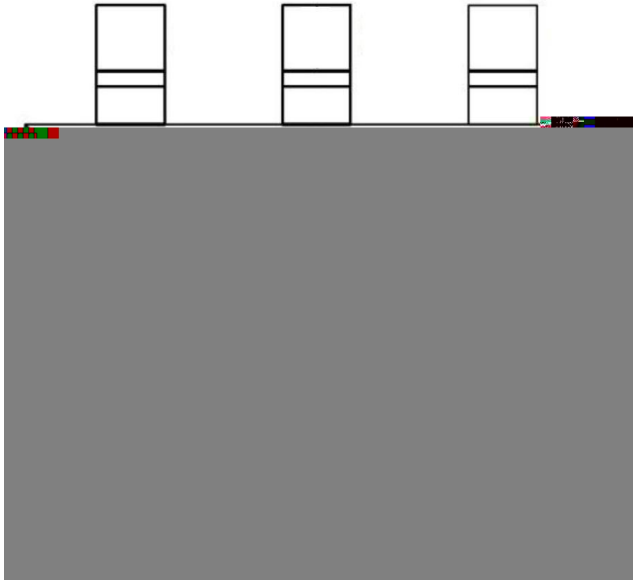


/ Package Dimensions





/ Marking Instructions



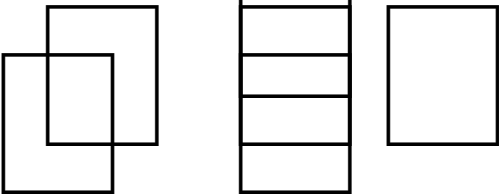
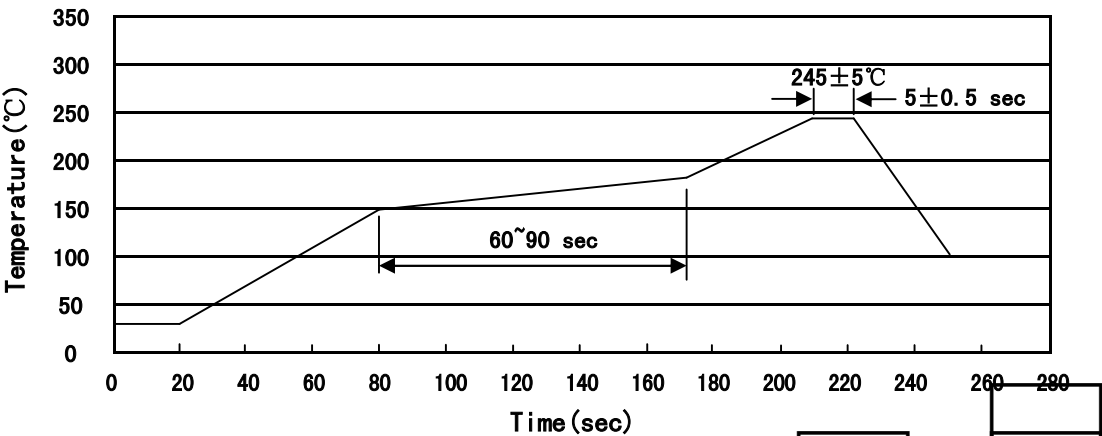
● “ 1 ”
46
***:

● “1” Pin
46
***:





() / Temperature Profile for IR Reflow Soldering(Pb-Free)



/ Resistance to Soldering Heat Test Conditions



/ Packaging SPEC.

封装形式	包装数量					包装尺寸		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
SOT-363	3,000	10	30,000	6	180,000	7" ×8	180×120×180	390×385×205

/ Notices

