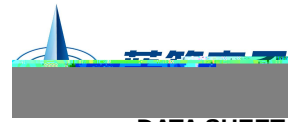


修订记录 / Revised record

A		ALL	LS3202V3-1Z		
B	2021-10-8	2			

BRES3V3L1B2ZA

Rev.B Oct.-2021

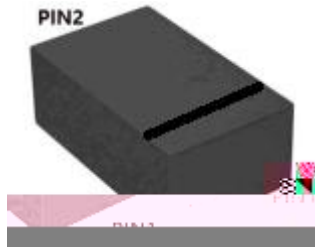


DFN0603

ESD

DFN060m

引脚排列 / Pinning

放大及印章代码 / h_{FE} Classifications & Marking

See Marking Instructions.

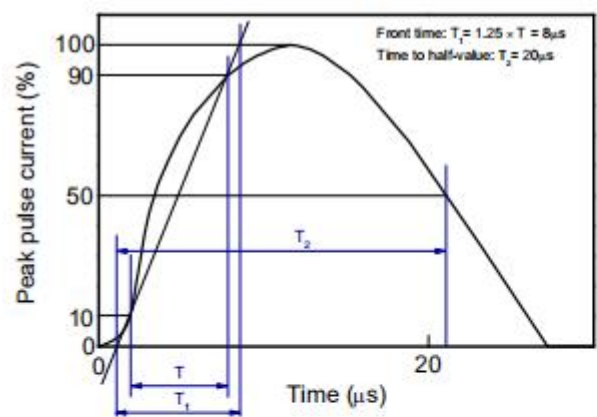
极限参数 / Absolute Maximum Ratings

Parameter	Symbol	Rating	Unit
Peak Pulse Power($t_p = 8/20\mu s$)	P_{PK}	90	W
Peak Pulse Current($t_p = 8/20\mu s$)	I_{PP}	9	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	± 30	KV
ESD according to IEC61000-4-2 contact discharge		± 30	
Junction temperature	T_J	125	$^{\circ}C$
Operating temperature	T_{OP}	-40~85	$^{\circ}C$
Lead temperature	T_L	260	$^{\circ}C$
Storage Temperature	T_{STG}	-55~+150	$^{\circ}C$

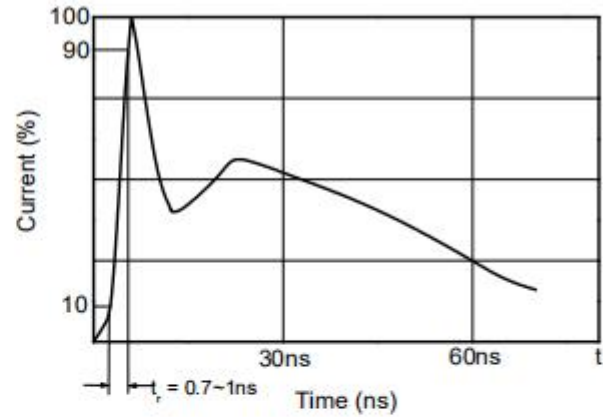
Definitions of electrical characteristics

参数 Parameter	符号 Symbol	测试条件 Test Conditions	最小值 Min	典型值 Typ	最大值 Max	单位 Unit
Reverse maximum working voltage	V_{RWM}				± 3.3	V
Reverse leakage current	I_R	$V_{RWM} = 3.3V$			100	nA
Reverse breakdown voltage	V_{BR}	$I_{BR}=1mA$	3.5	4		V
Reverse holding voltage	V_{HOLD}	$I_{HOLD}=50mA$	3.5	4		V
Clamping voltage ¹⁾	V_{CL}	$I_{PP}=16A \quad t_p=100ns$		9.0		V
Dynamic resistance ¹⁾	R_{DYN}			0.2		Ω
Clamping voltage ²⁾	V_{CL}	$V_{ESD}= 8kV$		9.0		V
Clamping voltage ³⁾	V_{CL}	$I_{PP} = 1A \quad t_p = 8/20\mu s$		4.5	6	V
		$I_{PP} = 9A \quad t_p = 8/20\mu s$		8	10	V
Junction Capacitance	C_J	$V_R = 0V \quad f = 1MHz$		10	13	pF
	C_J	$V_R = 2.5V$				

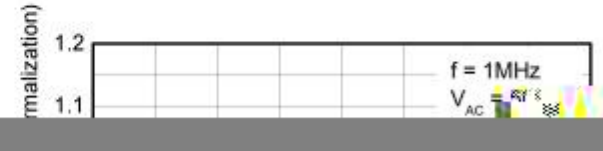
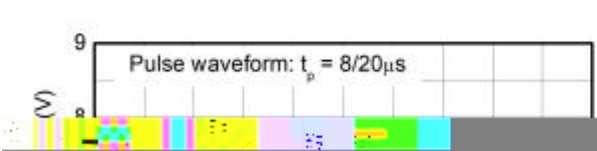
电参数曲线图 / Electrical Characteristic Curve(Ta=25°C)

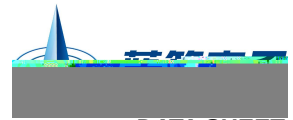


8/20 μs waveform per IEC61000-4-5

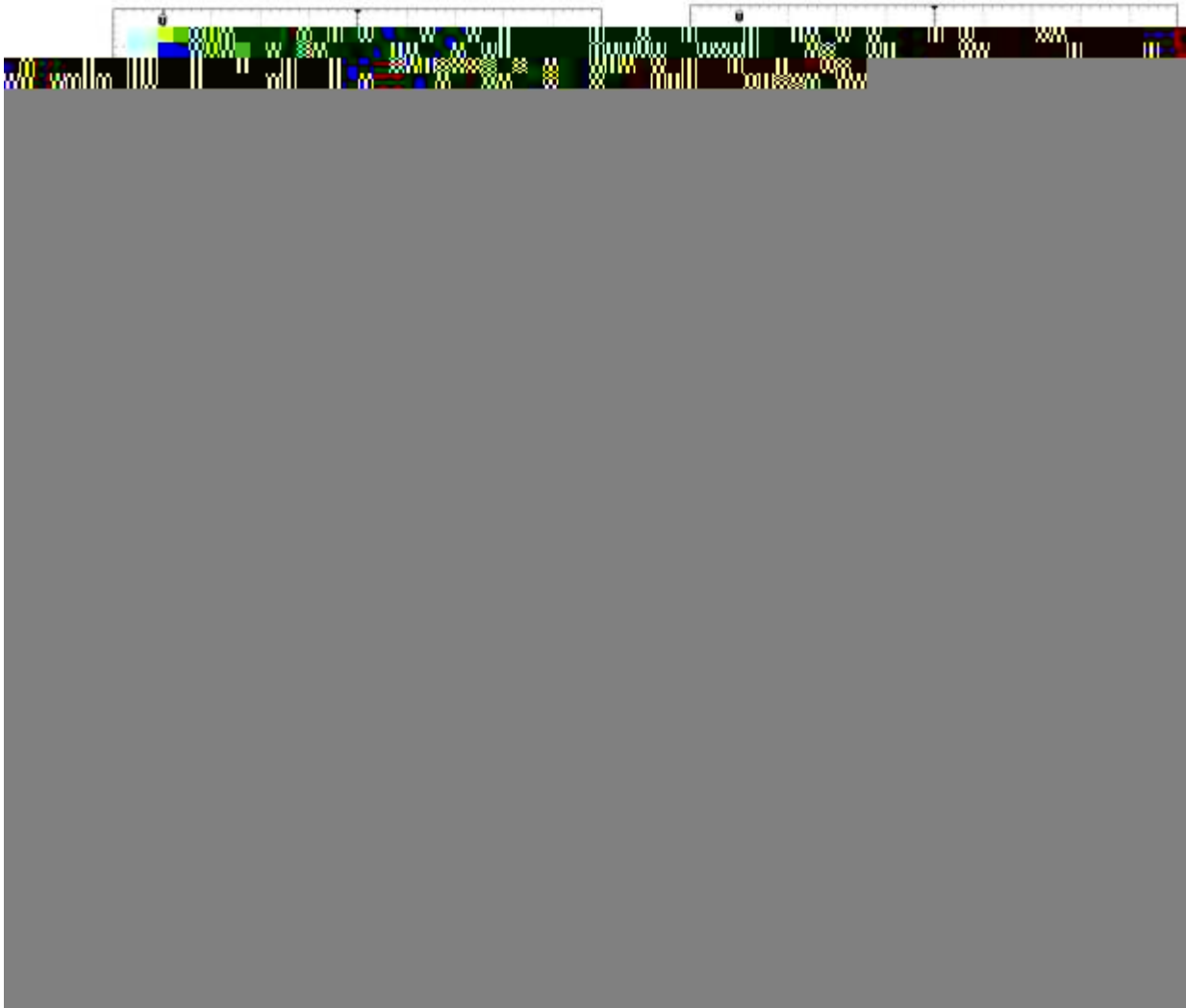


Contact discharge current waveform per IEC61000-4-2

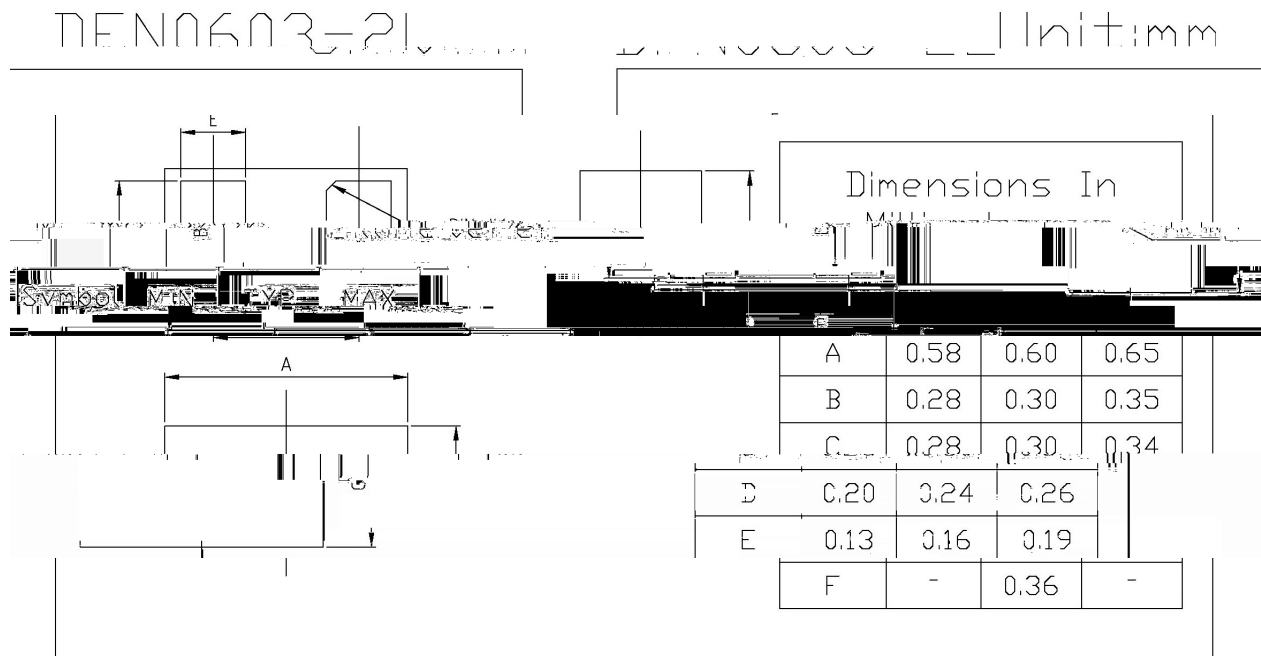




电参数曲线图 / Electrical Characteristic Curve(Ta=25°C)



外形尺寸图 / Package Dimensions



印章说明 / Marking Instructions



说明：

A3：为型号代码

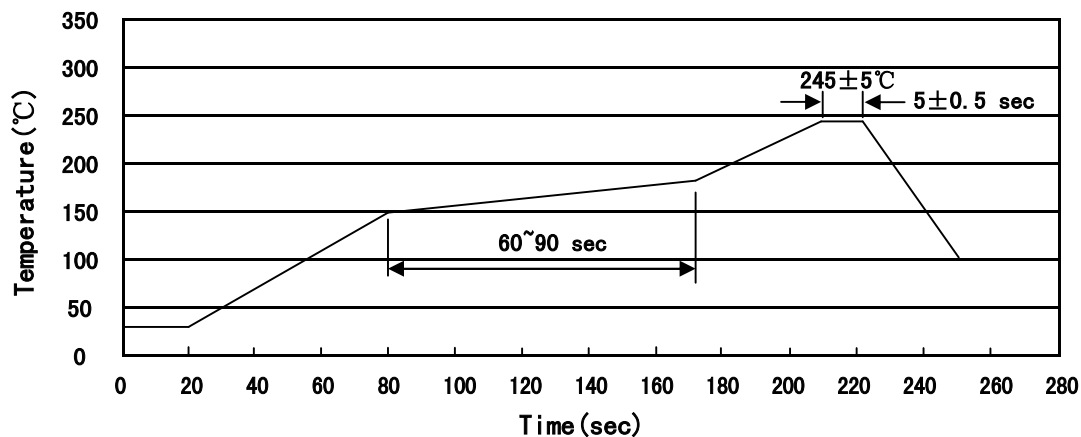
*：为生产批号代码，随生产批号变化

Note：

A3：Product Type.

*：Lot No. Code,code change with Lot No.

回流焊温度曲线图(无铅) / Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-------|-----|----|-----------|--|
| 1 | 150 | 180 | 60 | 90sec; | 1.Preheating:150~180°C, Time:60~90sec. |
| 2 | 245±5 | | | 5±0.5sec; | 2.Peak Temp.:245±5°C, Duration:5±0.5sec. |
| 3 | | | 2 | 10°C/sec. | 3. Cooling Speed: 2~10°C/sec. |

耐焊接热试验条件 / Resistance to Soldering Heat Test Conditions

260±5°C

10±1 sec.

Temp.:260±5°C

Time:10±1 sec

包装规格 / Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	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	Outer Box
DFN0603-2L	10,000	10	100,000	6	600,000	7" ×8	180×120×180	390×385×205

使用说明 / Notices