

LG-IRM2A738KEF3

Infrared Receiver Module

DATA SHEET

SPEC.NO. : SZ17070802
DATE : 2017/07/08
REV. : A/0

Approved By:

Checked By:

Prepared By:

1

IRM2A738 EF3 PIN
IC,
REACH ROHS

2

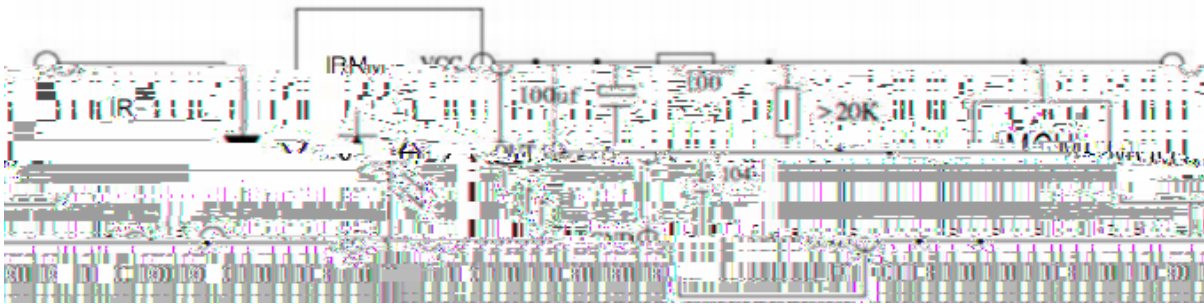
2.7-5.5V

3

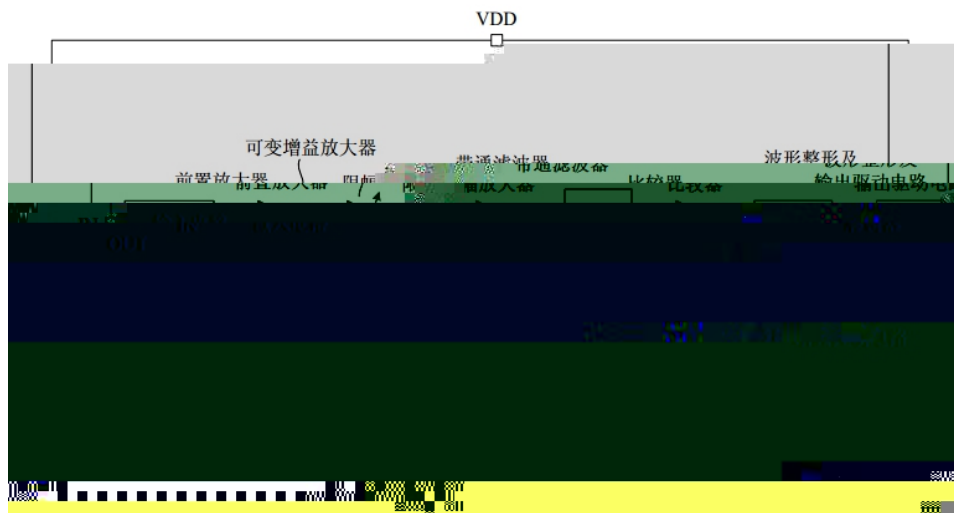
TTL CMOS
:
(MP3 MP4,)



4



5



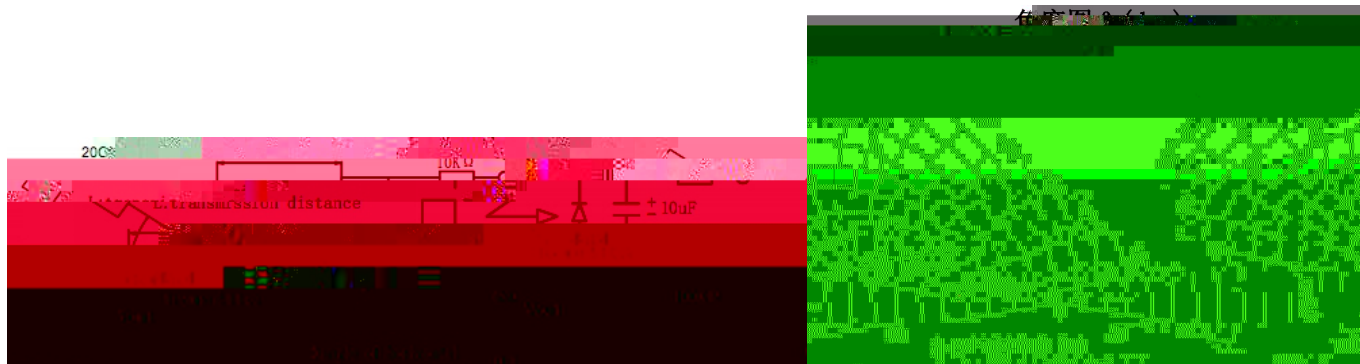
6 (T=25 Vcc=3.0v f₀=38KHZ)

			Min	Type	Max	
	I _{CC}	VDD=5v	0.2	0.3	0.5	mA
	L	0°	8	10		M
	L	35°	4	5		M
	L	35°	4	5		M
	f ₀			37.9		kHz
BPF	f _{BW}		3	4.5	6	kHz
	V _{OL}	I sink=2.0mA		0.2	0.4	V
	V _{OH}	VCC=5V	2.7	3.0	VCC	V
	T _{PVH}	burst wave Vi n=500 p-p	400	600	800	μS
	T _{PVH}	burst wave Vi n=50mV p-p	400	640	800	μS
	Tburst	Vi n=50mV p-p	400			us
	Tburst gap	Vi n=50mV p-p	450			us
	Tpause	Vi n=50mV p-p	45			ms

L - p5l RāC āC- 7p7, 1M āp
2pp 5pL

7 :
NEC/RC5_Phi I i ps.

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	Min	Typ	Max	
V _{DD}	2.7	-----	5.5	V
FM		37.9		kHz
Topr		25		

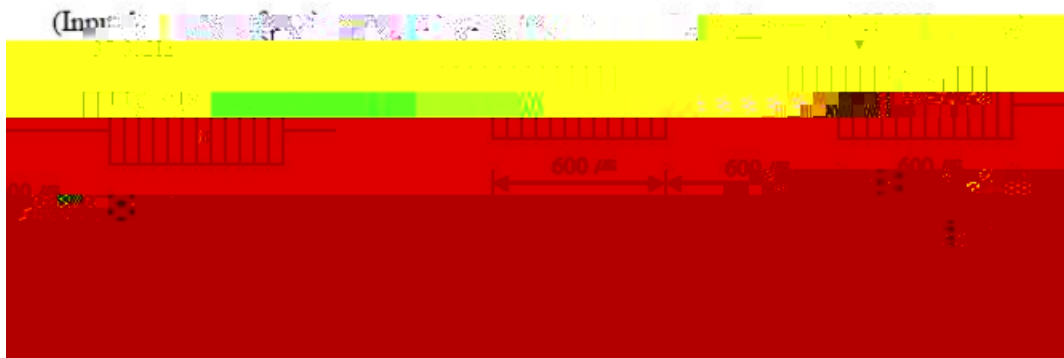
10. :

	V _{DD}	6.0	V
	Tstg	-40 — +125	
*	Tsol	260± 5 5S	

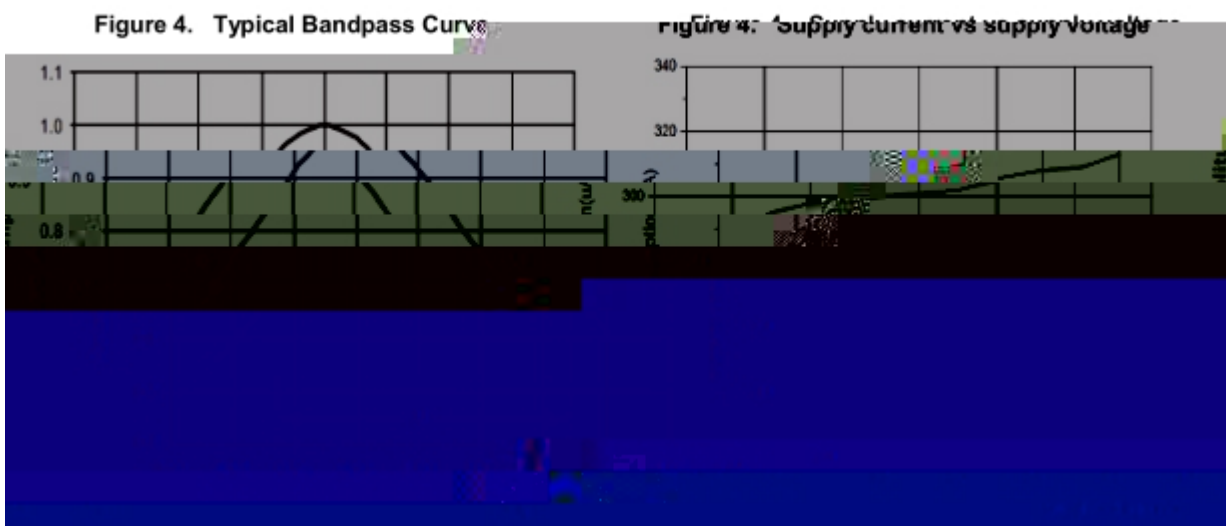
*

2.0mm

11. :



12 (Characteristics Curve) (Tamb=25 unless otherwise specified)

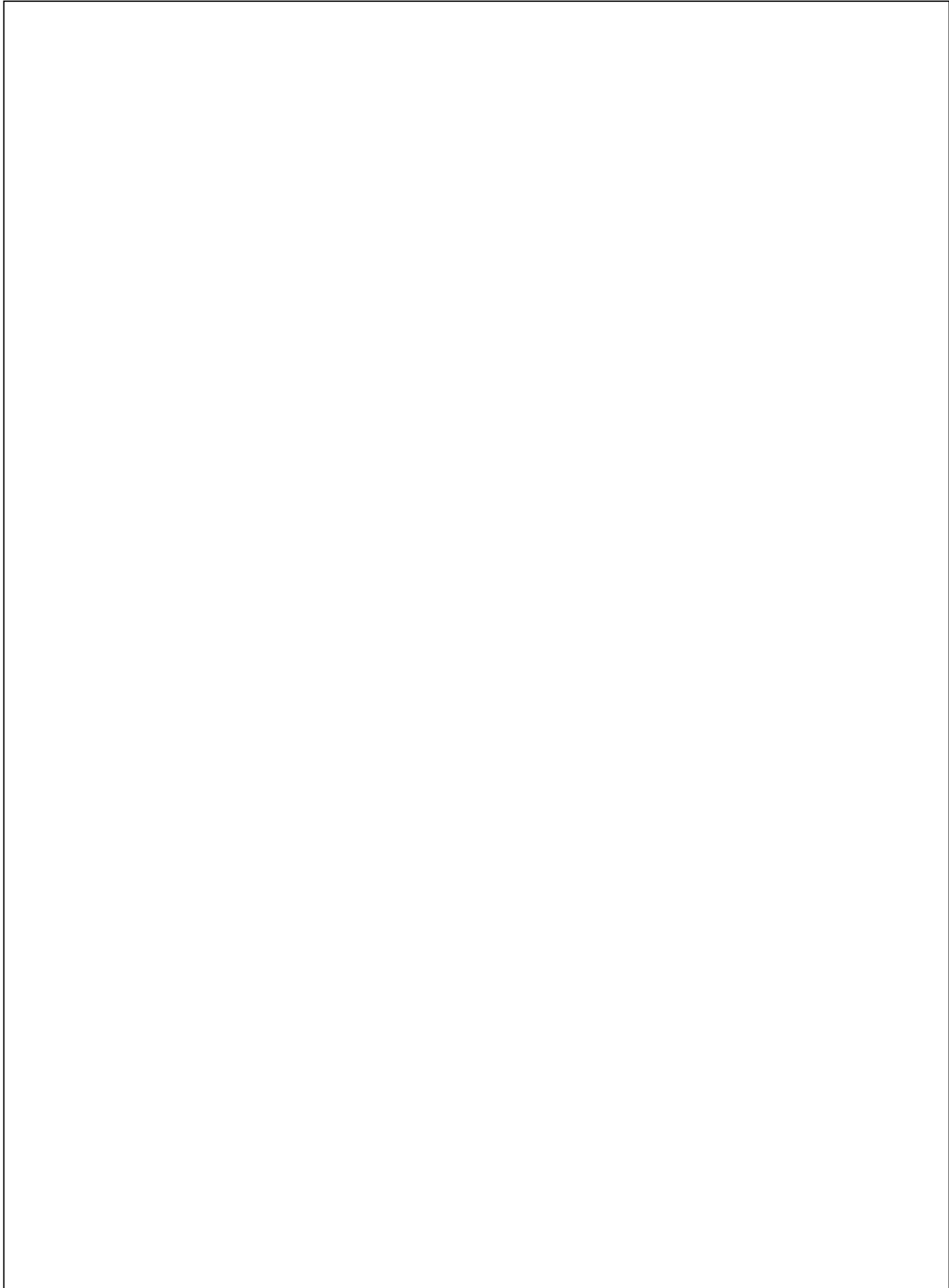


13

	260 ± 5	5	20	20
	100PF, 1.5k, 4KV,		20	20
	10-50Hz/1min 1.5mm X Y Z/30min	30	20	20
	85 ± 2	240	20	20
	-20 ± 2	240	20	20
	85 85%	240	20	20
	-20 30 85 30	10	20	20
	2.5N 2		20	20

LIGHT

LIGHT ELECTRONICS CO., LTD.



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150mm× 190mm

ú 5pPCS

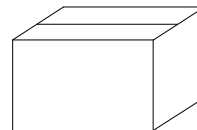
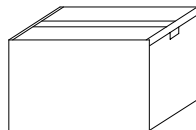
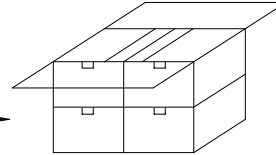
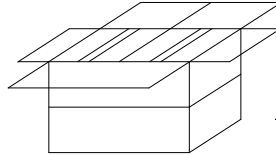
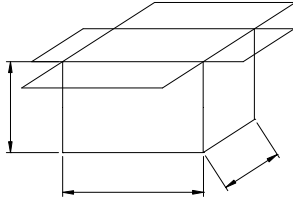
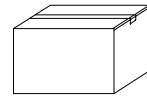
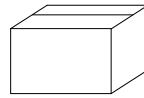
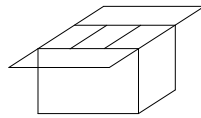
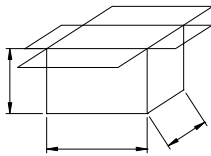
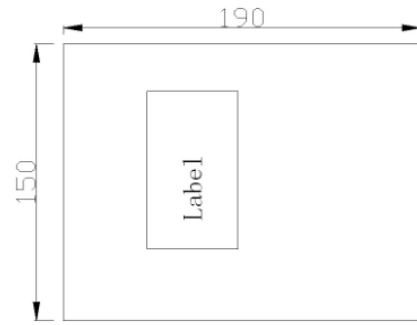
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ú 5pPCS

1p

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(pcs /)	(/)	(/)
500	10	4