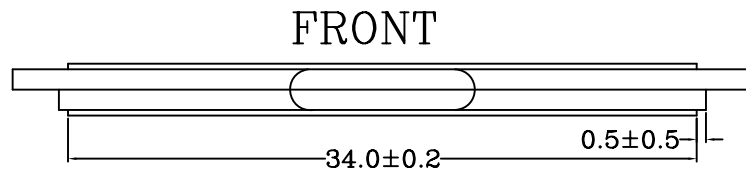
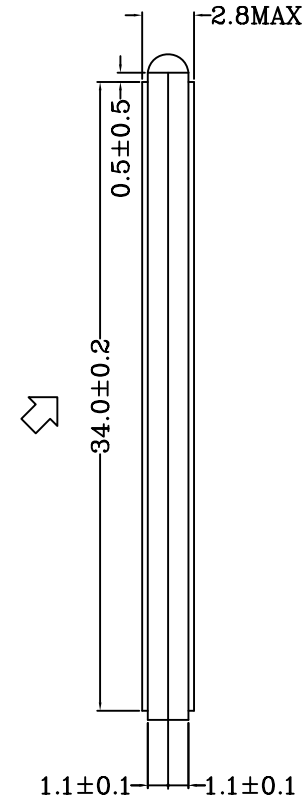
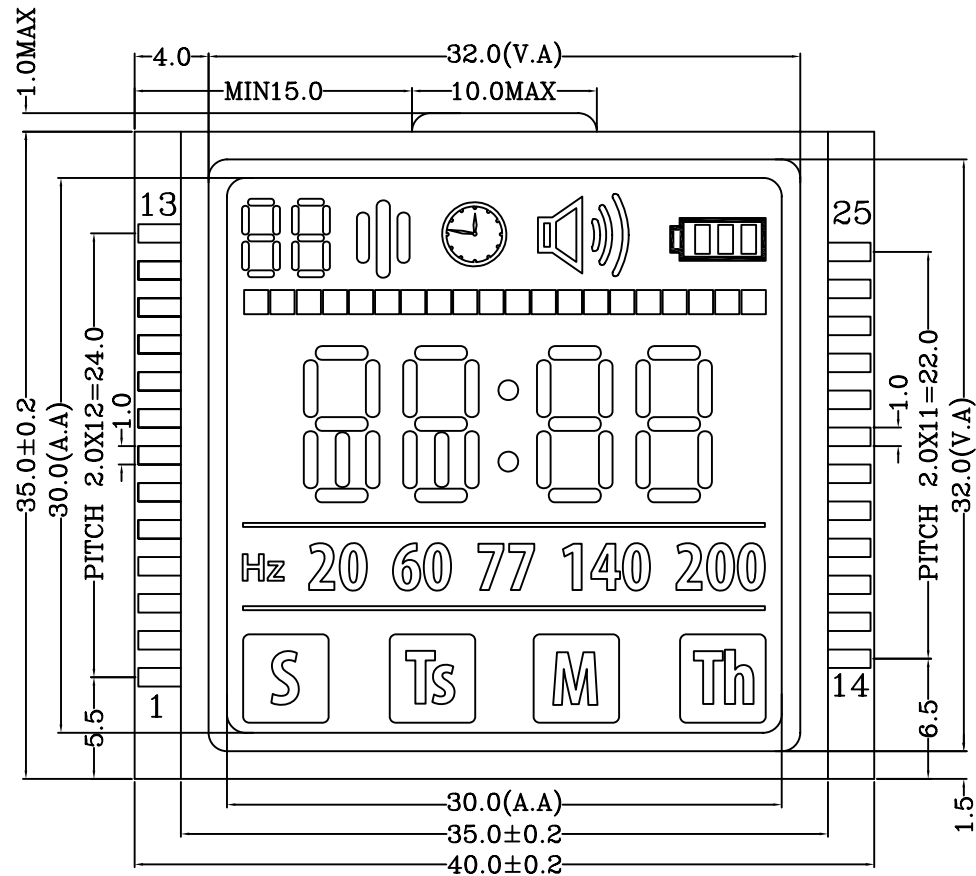


NOTES:

1. DISPLAY TYPE: TN.
2. VIEWING DIRECTION: 6 O'CLOCK.
3. DRIVE METHOD: 1/4DUTY, 1/3BIAS.
4. OPERATING VOLTAGE: 2.7V.
5. POLARIZER MODE: TRANSFLECTIVE/POSITIVE.
6. OPERATING TEMP: 0 ~ +50°C.
7. STORAGE TEMP: -30 ~ +60°C.
8. LED BACKLIGHT: WHITE, EDGE,A-K=5.0V, 30mA TYPE.
9. ROHS COMPLIANT.

01	LOGIC MODIFIED
VERSION	MODIFYCONTENT

UNMARKED TOLERANCE: X:±1 X.X:±0.3 X.XX:±0.1 X.XXX:±0.05 ANGLE:±0.5°	CUSTOMER APVL	DATE	MODULE	
	DRAWN JOHNSON 2009-1-15	SCALE	TITLE	
	CHECK	UNIT mm	MODEL	
	APPROVAL		GS-11-0458-00+LED/R	
MULTI-INNO TECHNOLOGY CO.,LTD.			DWG NO 01	PAGE 1/5



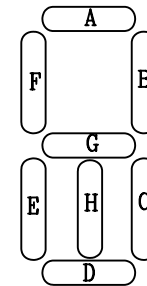
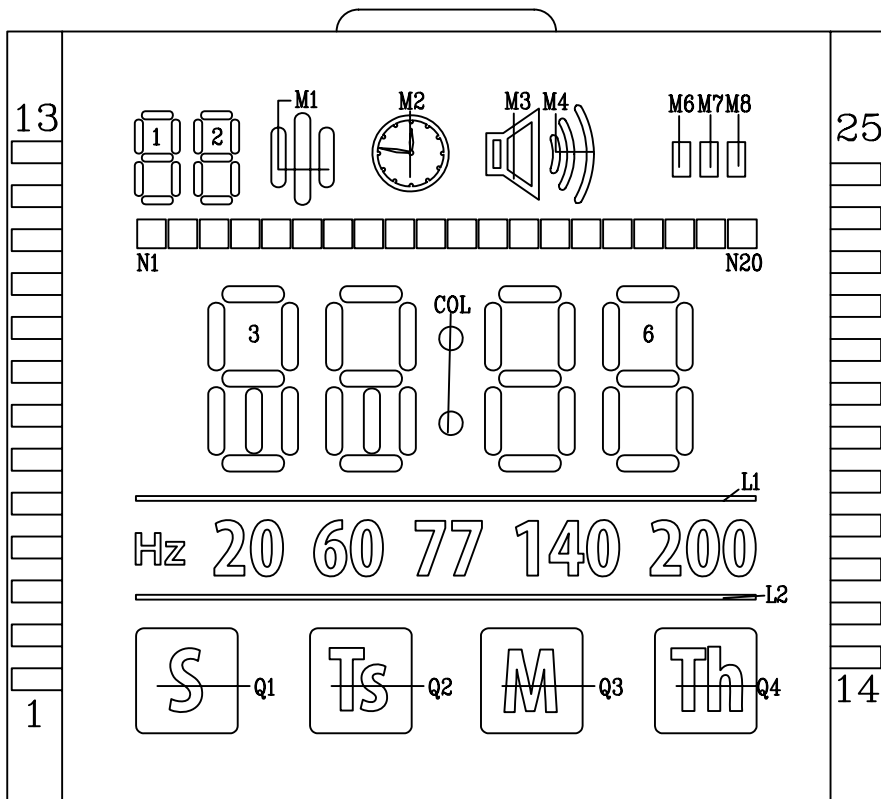
FRONT

NOTES:

1. DISPLAY TYPE: TN.
2. VIEWING DIRECTION: 6 O'CLOCK.
3. DRIVE METHOD: 1/4DUTY, 1/3BIAS.
4. OPERATING VOLTAGE: 2.7V.
5. POLARIZER MODE: TRANSFLECTIVE/POSITIVE.
6. OPERATING TEMP: 0 ~ +50°C.
7. STORAGE TEMP: -30 ~ +60°C.
8. ROHS COMPLIANT.

01	LOGIC MODIFIED
VERSION	MODIFYCONTENT

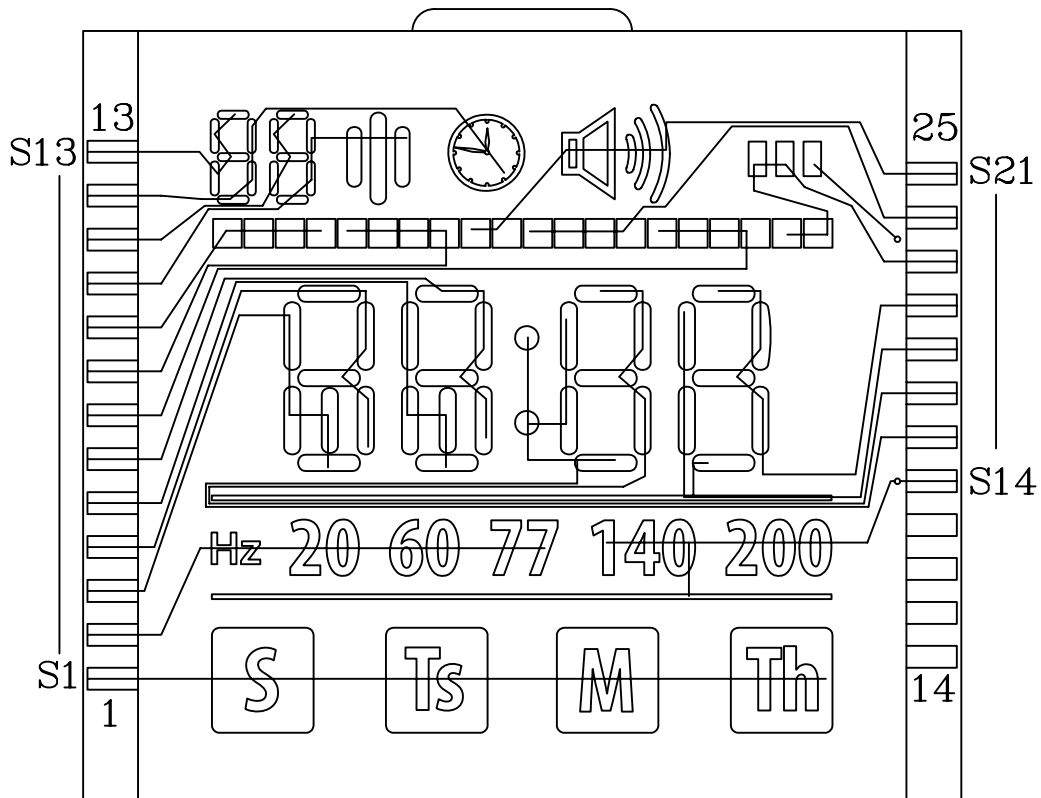
UNMARKED TOLERANCE: X:±1 X.X:±0.2 X.XX:±0.2 X.XXX:±0.05 ANGLE:±0.5'	CUSTOMER APVL		DATE	
	DRAWN	JOHNSON 2009-1-14	SCALE	TITLE LCD
	CHECK		UNIT mm	FOR GS-11-0458-00+LED/R
	APPROVAL			MODEL 11-0458-00TFZS
MULTI-INNO TECHNOLOGY CO.,LTD.				DWG NO 01
				PAGE 2-1/5



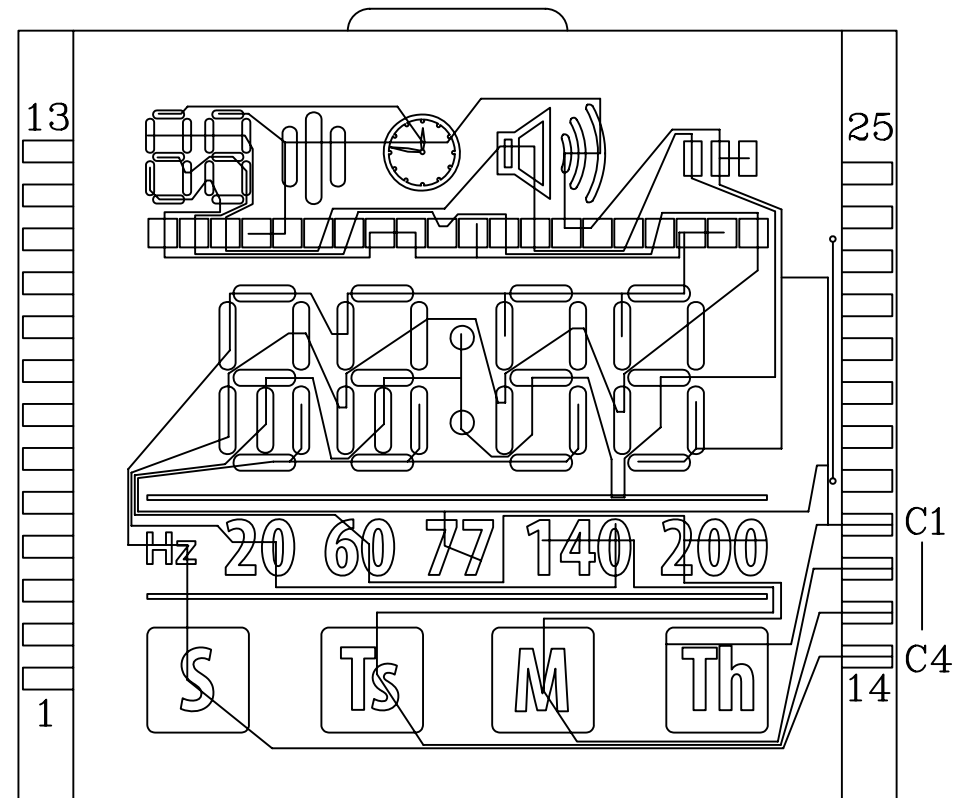
PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
COM1	Q4	77	3D	3C	4D	4C	N15	N5	N4	M1	2A	M2	1A	1F			COM1	M8	5D	5C	6D	6C	M7	N14	M4
COM2	Q3	60	3H	3G	4H	4G	N16	N6	N3	2B	2F	1B	1F			COM2	200	COM	5G	L1	6G	M6	N13	M3	
COM3	Q2	20	3E	3B	4E	4B	N17	N7	N2	2C	2G	1C	1G			COM3		140	5E	5B	6E	6B	N20	N12	N10
COM4	Q1	Hz	3F	3A	4F	4A	N18	N8	N1	2D	2E	1D	1E	COM4				L2	5F	5A	6F	6A	N19	N11	N9

01	LOGIC MODIFIED
VERSION	MODIFYCONTENT

UNMARKED TOLERANCE: X:±1 X.X:±0.2 X.XX:±0.2 X.XXX:±0.05 ANGLE:±0.5°	CUSTOMER APVL		DATE	
	DRAWN	JOHNSON 2009-1-14	SCALE	TITLE LCD
	CHECK		UNIT mm	FOR GS-11-0458-00+LED/R
	APPROVAL			MODEL 11-0458-00
MULTI-INNO TECHNOLOGY CO.,LTD.			DWG NO 01	PAGE 2-2/5



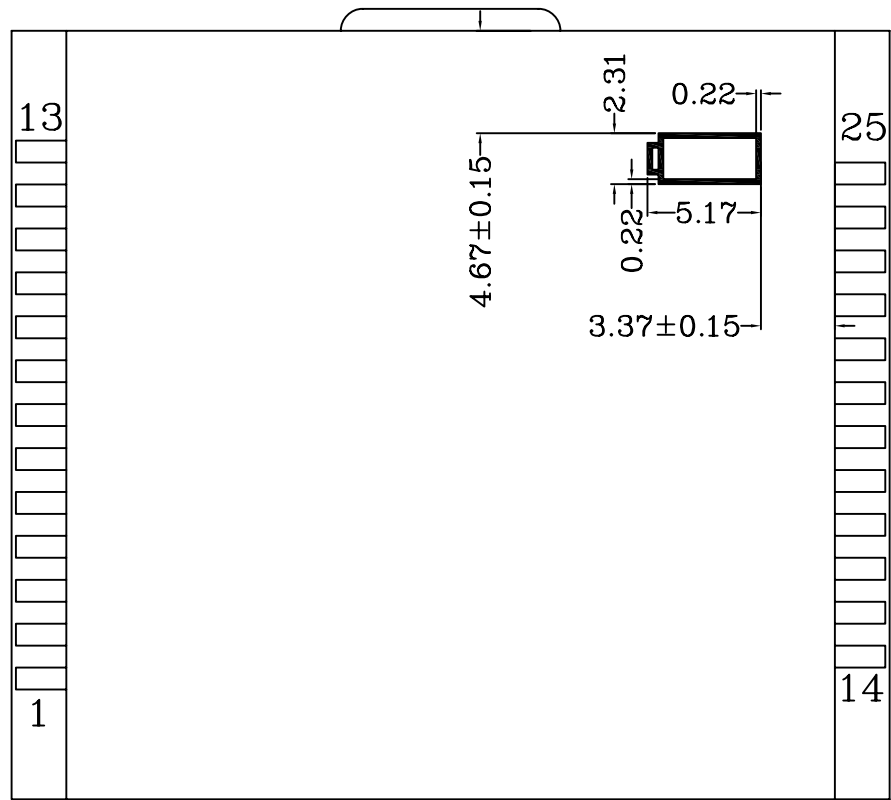
SEGMENT



COMMON

01	LOGIC MODIFIED
VERSION	MODIFYCONTENT

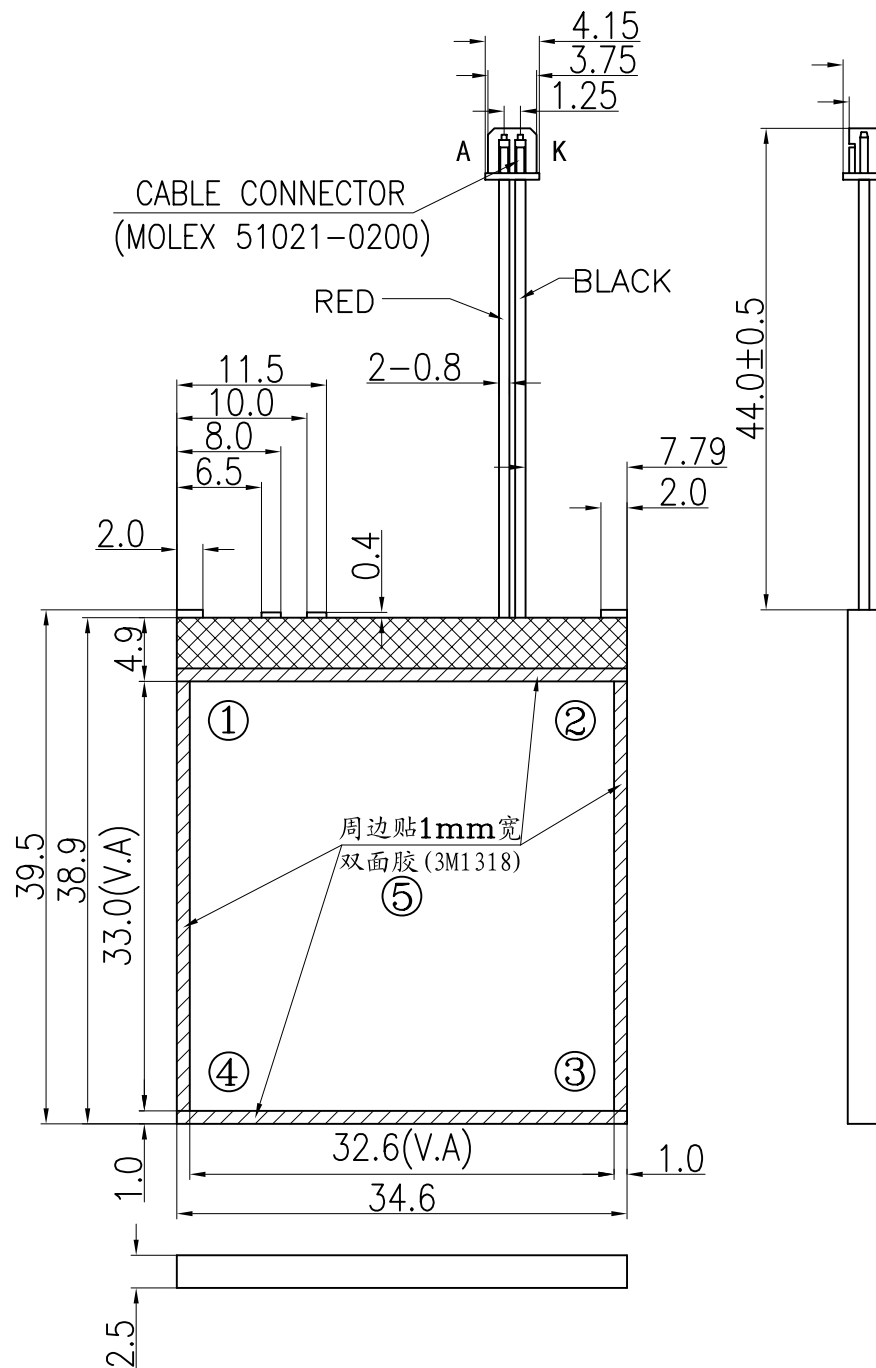
UNMARKED TOLERANCE: X:±1 X.X:±0.2 X.XX:±0.2 X.XXX:±0.05 ANGLE:±0.5°	CUSTOMER APVL	DATE		
	DRAWN JOHNSON 2009-1-14	SCALE	TITLE LCD	
	CHECK	UNIT mm	FOR GS-11-0458-00+LED/R	
	APPROVAL		MODEL 11-0458-00	
MULTI-INNO TECHNOLOGY CO.,LTD.			DWG NO 01	PAGE 2-3/5



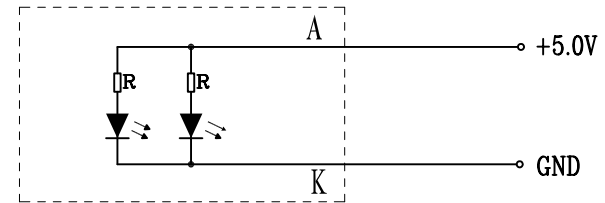
BACK PRINTING
 COLOR:BLACK

01	LOGIC MODIFIED
VERSION	MODIFYCONTENT

UNMARKED TOLERANCE: X:±1 X.X:±0.2 X.XX:±0.2 X.XXX:±0.05 ANGLE:±0.5°	CUSTOMER APVL		DATE	
	DRAWN	JOHNSON 2009-1-14	SCALE	TITLE LCD
	CHECK		UNIT mm	FOR GS-11-0458-00+LED/R
	APPROVAL			MODEL 11-0458-00
MULTI-INNO TECHNOLOGY CO.,LTD.			DWG NO 01	PAGE 2-4/5



LED: 2*1=2 CHIPS



Test circuit

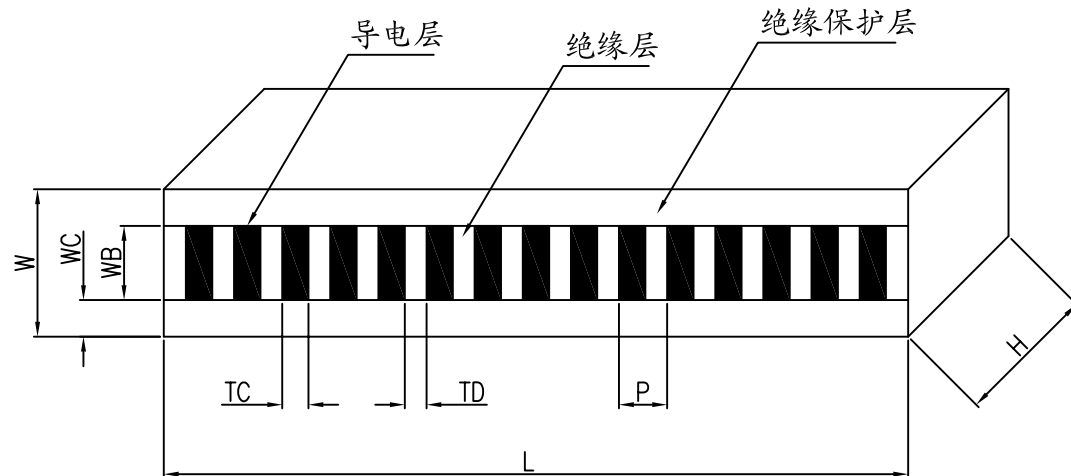
ELECTRICAL/OPTICAL CHARACTERISTICS (T=25°C):

ITEM	MIN.	TYPE	MAX.	UNIT	CONDITION
Porward Voltage		5.0		V	5V
Forward Current	--	30	40	mA	5V
Power Dissipation	--	--	--	mW	5V
Luminance	350	500	--	cd/m ²	5V
Wave length Range	--	--	--	nm	WHITE
Operating Temp Range	-20		70	°C	
Storage Temp Range	-30		80	°C	

- Note: 1. B/L brightness is measured from 5points, brightness tolerance ± 30%, uniformity ≥ 70%.
 2. 10Ω resitor is connected with each led;
 3. Shielding paper around LED 4side surfaces;
 4. Unmarked tolerance ± 0.2.
 5. ROHS compliance.

01	LED modified
VERSION	MODIFYCONTENT

UNMARKED TOLERANCE: X:±1 X.X:±0.2 X.XX:±0.2 X.XXX:±0.05 ANGLE:±0.5°	CUSTOMER APVL		DATE	
	DRAWN	JOHNSON 2009-1-7	SCALE	TITLE LED
	CHECK		UNIT mm	FOR GS-11-0458-00+LED/R
	APPROVAL			MODEL 90-0271-01/R
MULTI-INNO TECHNOLOGY CO.,LTD.				DWG NO 01
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Key Parameters:

Item	Size	Tolerance
L	51.0	±0.15
W	2.5	±0.1
H	4.9	±0.1
WB	0.5	±0.1
WC	--	±0.1
P	0.1	±0.03
TC	0.05	±0.02
TD	0.05	±0.02
Hardness	40	±5
Material	Silicon rubber	
Color	Grey	
Style	Transparent with interlayer	

Type Character Parameters:

Item	Conductive layer	Isolation layer	Protection layer
			Sponge Layer
Operating Temp.	-40 °C ~ 120 °C		
Compressed Distortion (28° C, 3000Hours)	15%		
Body resistance (Ω, m)	5~8	1X10 ¹²	1X10 ¹⁴
Specified gravity (g/m ³)	1.25	1.15	0.8
Rigidity (Degree)	65±5	65±5	25±5
Stretch rate (%)	150 ~ 200	180 ~ 250	250 ~ 300
Anti-Strain intensity (Kg/cm ²)	45 ~ 55	55 ~ 65	5 ~ 10
Maximum current (mA/mm ²)	1		

RoHS compliance

VERSION	MODIFYCONTENT

UNMARKED TOLERANCE: X:±1 X.X:±0.3 X.XX:±0.1 X.XXX:±0.05 ANGLE:±0.5'	CUSTOMER APVL	DATE		
	DRAWN JOHNSON 2009-1-7	SCALE	TITLE RUBBER	
	CHECK	UNIT mm	FOR GS-11-0458-00+LED/R	
	APPROVAL		MODEL 40-0128-02	
MULTI-INNO TECHNOLOGY CO.,LTD.			DWG NO 00	PAGE 4/5