

## AA. TFT-LCD Monitor

### Features:

- Screen Sizes: 15", 17", 19", Normal Viewing Angle & Wide Viewing Angle.
- Supported Frequencies: (15K) CGA, (25K) EGA, (31K) VGA, with Remote Control.
- OSD: Top, bottom, back, or outer panel selectable.
- Speakers: Inbuilt speakers selectable.
- Installation: Embedded, upright, hanging, or wall hanging.
- AV Input: VGA, DVI, or IC board with direct input and no converting.



1606 (D-SUB/DVI)



202(D-SUB/AV/SV/TV)

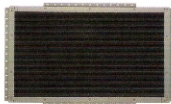
### Specification:

Panel Brand	AUO / CPT / HANSTAR			
LCD Panel	Model	LCD-PN15N	LCD-PN17N	LCD-PN19N
	Screen Size	15.0	17.0	19.0
	Dimensions	338×260×44(mm)	369×300×44(mm)	415×334×43(mm)
	Weight(kg)	2.8Kg	3.8Kg	4.2Kg
	Pixel Pitch(mm)	0.297×0.297	0.264×0.264	0.294×0.294
	Backlight	CCFL×2	CCFL×4	CCFL×4
	Cell Type	TN		
	Aspect Ratio	4:3		
Video	Input Mode	CGA, EGA, VGA, SVGA, SXGA		
Frequency	Horizontal	15~60KHz	15~70KHz	15~80KHz
	Vertical		48~75KHz	
Display	Horizontal Size	304.128	337.9	376.32
	Vertical Size	228.096	270.34	301.056
	Colors	16.2M	16.2M	16.2M
	Resolution	1024×768	1280×1024	1280×1024
	Bandwidth	80MHz Dot Clock	130MHz Dot Clock	130MHz Dot Clock
	Contrast Ratio	500:1 typ	450:1 typ	500:1 typ
	Brightness	250 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>
Power	Input	AC/DC Adapter 100~240VAC 47~63Hz		
		12VDC/3A	12VDC/4A	12VDC/4A
	Consumption	40Wmax	42Wmax	45Wmax
Operations	Function Key	5Key (VR-R.G.B)		
	OSD Adjustment	Contrast, Brightness, Phasa, Clock, H-position, V-position, V-size, ....., Exit		
	Color Saturation Adj	●	●	●
	Touch Screen	SAW / Resistive / Capacitive		
	Invent ourselves Logo	●	●	●

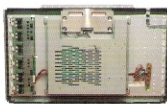
## AA. TFT-LCD Monitor

### Features:

- Screen Sizes: 19", 22", 26", 32", 37", 42", wide panel.
- Supported Frequencies: (15K) CGA, (25K) EGA, (31K) VGA, AV, TV with Remote Control.
- OSD: Top, bottom, back, or outer panel selectable.
- Installation: Embedded, upright, hanging, or wall hanging.
- AV Input: VGA, DVI, or IC board with direct input and no converting.



1606 (D-SUB/DVI)



202(D-SUB/AV/SV/TV)

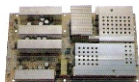
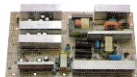
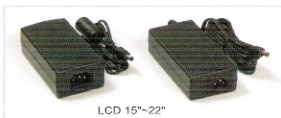
### Specification:

Panel Brand	AUO						
LCD Panel	Model	LCD-PN19W	LCD-PN22W	LCD-PN26W	LCD-PN32W	LCD-PN37W	LCD-PN42W
	Screen Size	19.0	22.0	26.0	32.0	37.0	42.02
	Dimensions	438×280×43	453×324×43	632×379×85	766×456×85	883×520×85	985×590×85
	Weight(kg)	4	5.5	7.5	11	14	20
	Pixel Pitch(mm)	0.2835×0.2835	0.285×0.285	0.4215×0.4215	0.51075×0.51075	0.6×0.6	0.5190×0.5190
	Backlight	CCFL×4	CCFL×4	CCFL×6	CCFL×12	CCFL×20	CCFL×20
	Cell Type	IPS	IPS	IPS	SMVA	SMVA	IPS
	Aspect Ratio	16:10			16:9		
Video	Input Mode	CGA, EGA, VGA, SVGA, SXGA					
Frequency	Horizontal	15~60KHz					
	Vertical	48~75Hz					
Display	Horizontal Size	408.24	473.76	575.769	397.68	819.6	930.25
	Vertical Size	255.15	296.1	323.712	392.26	460.8	523.01
	Colors	16.7M	16.7M	16.7M	16.7M	16.7M	16.7M
	Resolution	1440×900	1680×1050	1366×768	1366×768	1366×768	1366×768
	Bandwidth	130MHz Dot Clock			90MHz Dot Clock		
	Contrast Ratio	300:1 typ	300:1 typ	800:1 typ	800:1 typ	1000:1 typ	1200:1 typ
Power	Brightness	300 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>
	Input	AC/DC Adapter 100~240VAC 47~63Hz			AC/DC Board 100~240VAC 47~63Hz		
Operations	Consumption	40Wmax	60Wmax	110Wmax	130Wmax	140Wmax	200Wmax
	Function Key	5Key (VR-R-G-B)					
	OSD Adjustment	Contrast, Brightness, Phasa, Clock, H-position, V-position, V-size, ....., Exit					
	Color Saturation Adj	●	●	●	●	●	●
	Touch Screen	SAW / Resistive / Capacitive					
Invent ourselves Logo	●	●	●	●	●	●	

## AA. TFT-LCD Monitor

Spare part can be bought in unit

### I Power Supply Part:



### II Line Material Part:



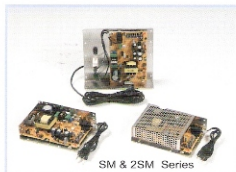
### III AD-Board Part:



## A. Switching Power Supply

### Features:

- Single (90-130VAC) or Universal (100-240VAC) Input Voltage
- Dual or Triple Output
- 50W~75W (Max). Output Power
- Load Regulation  $\pm 5\%$
- Over Load Protection, Short Protection
- Line Regulation  $\pm 1\%$



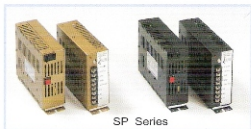
SM &amp; 2SM Series

### Specification:

Item No.	Model	Input Voltage	+5VDC	+8VDC	-12VDC	SSR	Cover	Watt (w)	Dimensions (L×D×H) (mm)	Remark
A01-1	SM-109A	AC:100-130VAC $\pm 10\%$ (50-60Hz)	9A		2.5A	V	V	75	146×107×38	Suitable for pinball machine (oriental pearl, Mario/computer system), CRT machine (fruit,mahjong)
A01-2	SM-109ASR		9A	1A	2.5A		V	70		
A01-3	SM-109B/BIG		9A		2.5A	V		75		
A01-4	SM-109BSR/BIG		9A	1A	2.5A			70		
A01-5	2SM-309A	AC:100-240VAC $\pm 10\%$ (47-63Hz)	9A		2A		V	60	30pcs/ctn 13~15kge	
A01-6	2SM-309ASR		9A		2A	V	V	60		
A01-7	2SM-309B/BIG		9A		2A		V	60		
A01-8	2SM-309BSR/BIG		9A		2A	V	V	60		

### Features:

- Single (110VAC / 220VAC)
- Dual or Triple Output
- 100W~150W (Max). Output Power
- Load Regulation  $\pm 5\%$
- Over Load Protection, Short Protection
- Line Regulation  $\pm 1\%$



SP Series

### Specification:

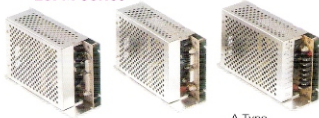
Item No.	Model	Input Voltage	+5VDC	+12VDC	-5VDC	SSR	Watt(W)	Dimensions (L×D×H)mm Weight (kg)	Remark
A02-1	SP-115A	AC: 100/220VAC (50-60Hz)	15A	3A	1A		85	164×125×50	Suitable for pinball machine (oriental pearl), Mario/computer system), CRT machine (fruit,mahjong)
A02-2	SP-115ASR		15A	3A		V	85		
A02-3	SP-5012A/G		10A	6A	1A		120	30 pcs/ctn	
A02-4	SP-5012ASR/G		10A	6A		V	120	21 kge	

## A. Switching Power Supply

### Features:

- Universal (100-240VAC) Input Voltage
- Load Regulation  $\pm 5\%$
- Over Load Protection
- Low Ripple at Full Loading (1% Peak to Peak Max.)
- Over Current Protection
- Output Short Protection
- Dual or Triple Output
- Line Regulation  $\pm 1\%$
- 200W-500W(Max) Output Power
- High Efficiency & Reliability

### 2SPM Series



A Type

### 2SP Series



B Type

### 2RP Series



C Type

### Specification:

Item No.	Model	Input Voltage	+5VDC	+12VDC	+24VDC	+48VDC ~±5%V	Watt(s)	Dimensions (L×D×H) (mm)	Remark
A03-1	2SPM-973048TOY	AC; 100-240VAC $\pm 10\%$ (47~63Hz)	6A	4A	2A	3A	300	A: 213×122×65 B: 190×116×60 C: 190×106×50	Suitable for Crane machine, 6-8 people Bingo machine, Roulette machine, watership, etc.
A03-2	2SPM-973057TOY		6A	4A	2A	3A	300		
A03-3	2SPM-974024AT		10A	4A	4A		200		
A03-4	2SPM-974012AB		15A	12A			200		
A03-5	2SPM-971224AB		10A	10A	6A		300		
A03-6	2SP-923048TOY		4A	2A	2A	2A	200		
A03-7	2SP-924023AT		10A	2A	3A		200	Weight (kg) 25 pcs/ctn 26-27 kg	
A03-8	2RP-1200-12C			17A			200		
A03-9	2RP-1200-24C				8.5A		200		
A03-10	2RP-1320-12C			27A			320		
A03-11	2RP-1320-24C				13.5A		320		
A03-12	2RP-1500-12C			42A			500		

※ All the above are our standard models, we accept new custom model according to customer's demand.

## B. PC Power Supply

### Features:

- Short Protection
- Thermal Fan Speed Control(Optional)
- Power Line Disturbance
- Low acoustic noise
- High MTBF
- Chassis Color(Optional)
- High Reliability



### Specification:

Item No.	Model	Input Voltage	+5V	+12V	-5V	-12V	Watt (W)	Dimensions (L×D×H) (mm)	Remark
B01-1	PCX-2014A	AC : 90-264VAC with PFC (47~63Hz)	15.0A	12.0A	0.5A	0.5A	200	S 150×140×85mm (8cm) Fan D 150×140×85mm (8+8cm)	Suitable for Slot game machine 3D machine
B01-2	PCX-2514A		20.0A	14.0A	0.5A	0.5A	250		
B01-3	PCX-3014A		25.0A	16.0A	0.5A	0.5A	300		
B01-4	PCX-3514A		30.0A	18.0A	0.5A	0.5A	350		
B01-5	PCX-4010GT		35.0A	22.0A	0.5A	0.5A	400		
B01-6	PCX-4514GT		40.0A	22.0A	0.5A	0.5A	450		
B01-7	PCX-5014GT		40.0A	30.0A	0.5A	0.5A	500		

## C. Slot & Power Supply

### Features:

- 115VAC/230VAC (50~60Hz)
- Thermal Fan Speed Control (Optional)
- Low acoustic noise
- Chassis Color (Optional)
- High MTBF
- High Reliability

- Short Protection
- Power Line Disturbance



### Specification:

Item No.	Model	Input Voltage	+5VDC	+12VDC	-5VDC	-12VDC	+24VDC	Watt (W)	Dimensions (L×D×H) (mm)	Remark
C01-1	GWX-2008AT	AC : 115/230VAC (50/60Hz)	20A	8A	0.5A	0.5A		200	S 150x140x85mm(8cm) Fan D 150x140x85mm(8+8cm)	Suitable for slot game machine crane machine, 6-8 people bingo machine ....etc.
C01-2	GWX-2405AT		8A	4A	0.5A		4A	180		
C01-3	GWX-2412AT		8A	4A		0.5A	4A	180		
C01-4	GWX-1205AX		12A	2.5A			2.5A	150		
C01-5	GWX-1215AX		12A	8A			4A	250		
C01-6	GWX-1225AX		10A	10A		0.5A	5A	300		

## D. Adapter Power Supply

### Features:

- Universal input voltage
- Single output
- Over voltage protection
- High efficiency & reliability
- Compact low profile package
- One year warranty
- Optional input inlets
- Optional output connectors
- Over current protection
- 10W~60W(Max) Output Power



### Specification:

Item No.	Model No.	Input Voltage	+5V	+9V	+12V	+24V	Watt (W)	Dimensions (L×D×H) (mm)	Remark
D01-1	2ST-0502A1	AC:90~264VAC with PFC (47~63Hz)	2.0A				10	A: 106×66×37 (17kg)	Suitable for TFT-LCD Monitor Notbook, PDA ...etc.
D01-2	2ST-1215A1			2.0A			18	B: 106×53×34 (15kg)	
D01-3	2ST-1210A1				1.5A		18	C: 96×43×28 (14kg)	
D01-4	2ST-1220A1				2.0A		24	D: 60×43×26 (10kg)	
D01-5	2ST-1230A1				3.0A		36		
D01-6	2ST-1240A1				4.0A		48	<b>Weight (kg)</b>	
D01-7	2ST-2402A1					2.0A	48	50 pcs/ctn	
D01-8	2ST-1250A1				5.0A		60		

## E. Cold Cathode Fluorescent Lamp (CCFL) & Inverter

### Product Introduction

Cold Cathode Fluorescent Lamp (C.C.F.L.) Pipe

Illustration : Cold Cathode Lamp Pipe, in brief, is a mini shape's special lamp light's source (depression's mercury set free electric light). The shine principle consist in mercury's particle because power supply startup electron impact but bring forth in fluorescent tube 253.7mm ultraviolet ray's light, ultraviolet ray's light with the fluorescent gene then convert become visible light after phosphor's catalysis.

It always extensive should be used for liquid crystal's flat display, Scanner, PDA etc. Photoelectric product. As the irradiance color can be changed to different colorful per the fluorescent's adjustment.

Product demand : low consumed power, long life, high bright and high real color.

Application range :

Application position	Product Classify
<b>Commercial</b>	Television's screen lamp source, Computer screen lamp source Scanning device's lamp source, Copy machine lamp source, PDA and Mobile face plate show lamp source.
<b>Transportation</b>	Car/Motorcycle, air and voyage meter lamp source
<b>Industrial</b>	Test Instrument, Cure instrument, meter source of equipment Machine.
<b>Electrical Communication</b>	PC Power Supply, Illumination's lighting, Electrical Game Machine, Lamp box.

## E. Cold Cathode Fluorescent Lamp (CCFL) & Inverter



CCFL with holders

### Specification:

Item No.	Lamp Dia (mm)	Effective Length (mm)	Lamp Current (typ.mA)	Starting Voltage (Vms-Vpp)	Brightness (cd/m <sup>2</sup> )	Life Hrs. (average)	Dimensions L×W×H	Pitch T0 Pitch (mm)
E01-100	2.6	90	5	186-620	30000	15000±3000	130×12×25	120
E01-200	2.6	190	5	254-860	30000	15000±3000	230×12×25	220
E01-300	2.6	290	5	265-720	30000	15000±3000	330×12×25	320
E01-400	2.6	390	5	307-950	32000	15000±3000	430×12×25	420
E01-500	2.6	480	6	315-1120	32000	15000±3000	530×12×25	520
E01-600	2.6	580	8	325-1250	32000	15000±3000	630×12×25	620
E01-650	2.6	630	8	431-1340	32000	15000±3000	680×12×25	670

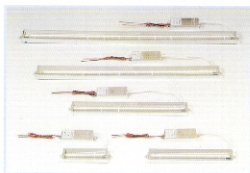
※ More have lamp size in diameter 2.00-4.10

※ The irregular shape can be made in custom

※ The longest length 1200mm.

※ Various color: R,G,B,W,Y,O, P, UV ultraviolet ray.

※ Special for LCD panel, PDA,TV, Life For 20,000 Hrs



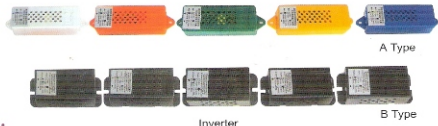
CCFL with reflect rack

### Specification:

Item No.	Lamp Dia (mm)	Effective Length (mm)	Lamp Current (typ.mA)	Starting Voltage (Vms-Vpp)	Brightness (cd/m <sup>2</sup> )	Life Hrs. (average)	Dimensions L×W×H	Pitch T0 Pitch (mm)
E03-100	2.6	90	5	186-620	30000	15000±3000	135×33×19	125
E03-200	2.6	190	5	254-860	30000	15000±3000	235×33×19	225
E03-300	2.6	290	5	265-720	30000	15000±3000	335×33×19	325
E03-400	2.6	390	5	307-950	32000	15000±3000	435×33×19	425
E03-500	2.6	490	6	315-1120	32000	15000±3000	535×33×19	525
E03-600	2.6	590	8	325-1250	32000	15000±3000	635×33×19	625



## E. Cold Cathode Fluorescent Lamp (CCFL) & Inverter

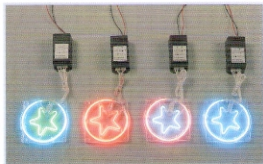


### Specification:

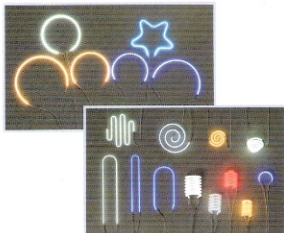
Item No.	Input Voltage (V)	Input Current (mA)		Single/Dual output		Lamp Length (mm)	Watt (W)	Frequency KHz	Dimensions L×W×H (mm)	Pitch To Pitch (mm)	
E02-1-A	DC12V	280	310	1	2	100	1.3±0.1	40	A 86×31×23 B 61×34×23	96	
E02-1-B	DC12V	310	410			200	2.2±0.1	42		96	
F02-1-C	DC12V	410	640			300	3.2±0.1	35	96		
E02-2-A	DC12V	470	740	1	2	400	4.0±0.1	35		96	
E02-2-B	DC12V	640	810			500	4.9±0.1	36		96	
E02-3-A	DC12V					600	8.0±0.1	36		96	
E02-3-B	DC12V					650	8.5±0.1	36		96	
E03-002	DC12-16V					410	640	1		2	300-400
E04-24-1	AC100V~240V							100-300			
E04-24-2	AC100V~240V	300-500									
E04-24-3	AC100V~240V	500-650									

\*We also can make the special specification for you

The irregular type can be ordered in according to customer's need, mini order quantity is 1000 pcs per order.



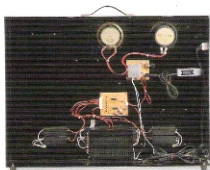
CCFL irregular shape lamp



## F. SM0073 Music's Lamp Instruction

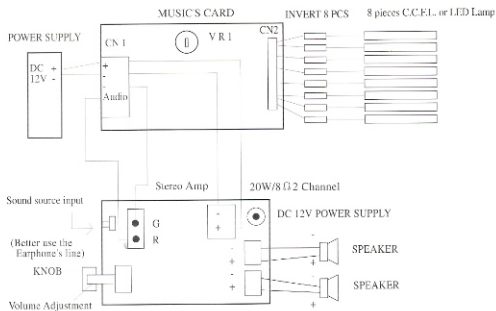


Front Side



Back Side

### ◆ Integral Match Line's Picture:



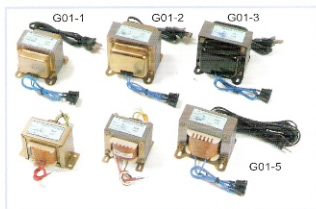
### ◆ Characteristic:

- (1) music lamp light's action as frequency incise style finish, not incur environment disturbance.
- (2) Adjust VR1 can reach what want the music fluorescent operation region.
- (3) Different sound board import source, there is different region of operation, therefore adjust VR1 can reach best effect.

### ◆ Specification:

- (1) input DC 12V
- (2) consume current 2.2 Amp
- (3) the output biggest can meet 8 branch of cold cathode fluorescent administer.
- (4) best status for eight musical scale

## G. Isolated Transformer & Toroidal Transformer



### Features:

- Available to isolate case, CRT, power output.
- Prevent short circuit
- Light Weight
- Higher performance
- Extra low flux leakage
- Lower temperature
- Designated size

### Application:

- Metal Cabinet(IT-10,15,30).
- On-line Machines(IT-10,15,30)
- Slot Machine(IT24,32)
- Prize billboard(IT24,32)

### Specification:

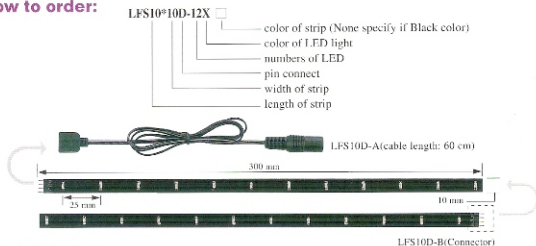
Item No.	Model No.	AC:Input Voltage(V)	AC:Output Voltage(V)	Current (A)	Watt (W)	Measurement LxWxH (mm)	Pes/ctn	Remark
G01-1	IT-10	110V,220V	110V	1	100	76×82×64	10	Ⓞaccept to custom any specific model according to customers' demand.
G01-2	IT-15	110V,220V	110V	1.5	165	96×92×80	8	
G01-3	IT-20	110V,220V	110V	2	220	96×106×80	8	
G01-4	IT-24	110V,220V	24V	3	150	76×76×65	8	
G01-5	IT-30	110V,220V	24V	6	330	96×90×80	8	
G01-6	IT-32	110V,220V	15.5V/9.5V	2	50	78×69×66	20	
G01-7	IT-30	110V,220V	110V	3	330	118×107×102	4	
G01-8	IT-50	110V,220V	110V	5	550	137×125×120	2	
G01-9	IT-100	110V,220V	110V	10	1100	167×165×142	1	
G01-10	IT-150	110V,220V	220V	15	1600	167×190×142	1	
G01-11	IT-22	110V,220V	220V	1	220	112×107×97	4	
G01-12	IT-60	110V,220V	220V	3	660	137×135×120	2	
G01-13	IT-110	110V,220V	220V	5	1100	161×165×142	1	
G01-14	IT-120	110V,220V	220V	10	2200	190×180×170	1	
G01-15	RT-50	120V	12V	2	50	82×31×31	30	
G01-16	RT-100	120V	24V	4	100	96×35×35	20	
G01-17	RT-120	220V	12V	10	120	105×37×37	20	
G01-18	RT-150	230V	24V	6	150	113×36×40	16	

## H. LED Flexible Flat Strip Light

### Features for LFS10D strip in pin connection

- Different LED colors can be linked together.
- Standard size for strip length 30cm can connect with 80 pieces up to 24 meters.
- Flat strip easy for installation. Scissor mark to be cut off if necessary.
- DIY decoration lighting for room, garden, sign board, motorcycle, game machine...etc.
- Water resistance IP64.

### How to order:



### Specification:

<b>LFS10*10D-12X</b>
L=300mm
1206 SMD LED: 12pcs
Voltage DC 12V±1.5V
Current 75mA (Max)

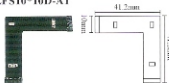
Single LED Intensity Unit: mcd				
Red	Green	Blue	White	Yellow
80	180	70	230	80
LED View angle: 120°±10°				

### Accessories:

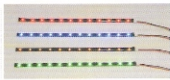
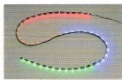
LFS10*10D-AT	LFS10*10D-LC
1206 SMD LED: 3pcs	
Voltage: DC12V±1.5V	
Current: 20mA (Max)	

Single LED Intensity Unit: mcd				
Red	Green	Blue	White	Yellow
80	180	70	230	80
LED View angle: 120°±10°				

LFS10\*10D-AT



LFS10\*10D-LC

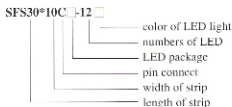


## H. LED Flexible Flat Strip Light

### Features for SFS30\*10C□ strip in pin connection

- Different LED colors can be linked together.
- Standard size for strip length 30cm can be connected pieces by pieces.
- Flat strip easy for installation. Scissor mark to be cut off if necessary.
- DIY decoration lighting for room, garden, sign board, motorcycle, game machine...etc.
- Water resistance IP64.

### How to order:



### Specification:

SFS30*10C10-12 □
L=300mm
1210 SMD LED: 12pcs
Voltage DC12V±1.5V
Current 100mA (Max)

Single LED Intensity Unit: mcd					
Red	Green	Blue	Yellow	White	Warm White
300	800	300	300	1000	900
LED View angle: 120°±10°					



SFS30\*10C10-12□

the background of strip color is Black which can be connected up to 30 pieces.

SFS30C-C(Connector)

SFS30*10C50-12 □
L=300mm
5050 SMD LED: 12pcs
Voltage DC12V±1.5V
Current 220mA (Max)

Single LED Intensity Unit: mcd					
Red	Green	Blue	Yellow	White	Warm White
1400	2900	800	3600	1000	3250
LED View angle: 120°±10°					



SFS30\*10C50-12□

the background of strip color is White which can be connected up to 12 pieces.

SFS30C-C(Connector)

- Remark:**
- Scissor mark on the back of strip.
  - The bending angle for SFS Flexible strip≥60°C.
  - Operating Temperature -3°C~+15°C.
  - Storage Temperature: -10°C~+85°C.



## H. LED Flexible Flat Strip Light

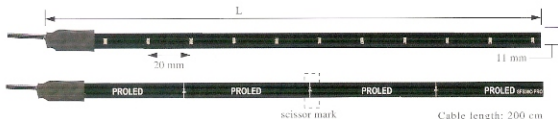
### Features for SFS strip in wire connection

- Flat strip easy for installation.
- To be cut off on scissor mark for suitable length.
- DIY decoration lighting for room, garden, sign board, game machine...etc.
- Aquarium is applicable
- Water proof IP64.

### How to order:

SFS □ □ \*11W3- □ □ X □

- color of strip (None specify if Black color)
- color of LED light
- numbers of LED light
- chip 0603 type
- Wire connection
- width of strip
- length of strip



### Specification:

SFS30*11W3-15X	SFS60*11W3-30X	SFS90*11W3-45X	SFS120*11W3-60X
L=326mm	L=626mm	L=926mm	L=1226mm
SMD LED: 15	SMD LED: 30	SMD LED: 45	SMD LED: 60
Voltage: DC12V±1.5V	Voltage: DC12V±1.5V	Voltage: DC12V±1.5V	Voltage: DC12V±1.5V
Current: 90mA	Current: 180mA	Current: 270mA	Current: 360mA

Single LED Intensity Unit: mcd LED (0603 type)				
Red	Green	Blue	White	Yellow
80	180	70	230	80

### Remark:

- Different colors of light can not link together.
- ODM requirement is welcome subject to minimum quantities 1,000 meters.

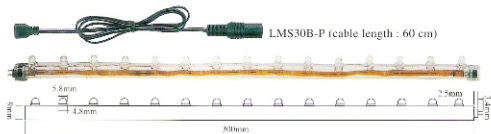
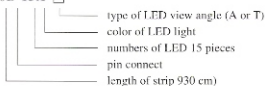
## H. LED Flexible Strip Light

### Features for LMS30B-15□ strip in pin connection

- Different LED colors can be linked together.
- Standard size for strip length 30cm can connect with 40 pieces up to 12 meters.
- Flat strip easy for installation.
- DIY decoration lighting for games machine, advertising light room, garden, sign board...etc.
- Water resistance IP64.

### How to order:

LMS30B-15X-□



### Specification:

<b>LMS30B-15X-A</b>
L=300mm
LED count: 15
Voltage:DC12V±1.5V
Current:50mA

50 LED Intensity Unit:mcD				
Red	Green	Blue	White	Yellow
6500	18000	5300	10100	7500
LED View angle:20°×10°				

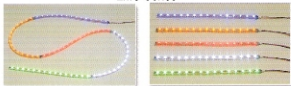


<b>LMS30B-15X-B</b>
L=300mm
LED count: 15
Voltage:DC12V±1.5V
Current:50mA

50 LED Intensity Unit:mcD				
Red	Green	Blue	White	Yellow
160	900	300	700	160
LED View angle:120°×10°				



LMS Series

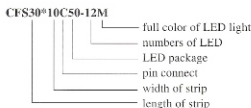


## Hh. LED Flexible Flat Strip RGB Light

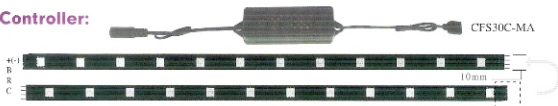
### Features for CFS30\*10C RGB Strip Light in pin Connection

- IR remote control.
- 16 fixed colors and 4 color changing modes to be selected.
- Working simultaneously.
- Every strip in 30cm can be connected via pin up to 12pieces.
- Standard size for strip length 30cm can connect with 24 pieces up to 7.2 meters.
- DC input with lower power consumption.

### How to order:



### Controller:



### Specification:

CFS30*10C50-12M
Color : R.G.B.
L = 300 mm
5050 SMD LED : 12 pcs
Voltage : DC12V $\pm$ 1.5V
Current : 240 mA (Max)

	Symbol	Min	Typ.	Max.	Unit	Test Condition
Iv	R	280	430	/	mcd	If = 20mA
	G	800	1000	/		If = 20mA
	B	155	230	/		If = 20mA

Extention cable plug  
SFS30C E (15cm & 40cm)



### Remark:

- Scissor mark on the back of strip.
- Decoration on motorcycles should be used the cable built in bridge diode. (model: SFS30C-P-M)
- ODM requirement is welcome subject to minimum quantities 1,000 meters.

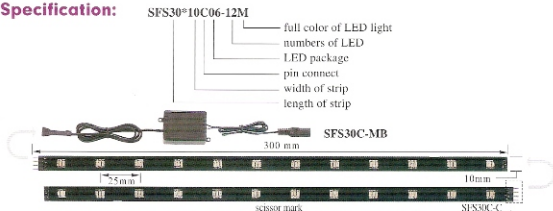


## Hh. Led Flexible Flat Strip RGB Light

### Features for SFS30° 10C RGB strip light in pin connection

- Flat strip easy for installation.
- Standard size for strip length 30cm can connect with 24 pieces up to 7.2 meters.
- To be cut off on scissor mark for suitable length at the end strip.
- DIY decoration lighting for room, garden, sign board game machine...etc.
- Water resistance IP64.

### Specification:

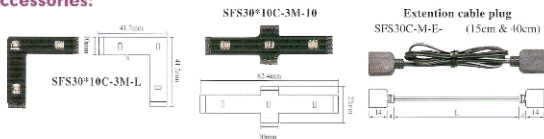


<b>SFS30°10C06-12M</b>
L=300mm
1206 SMD LED: 12 PCS*3
Voltage: DC12V±1.5V
Current: 220mA (Max)

<b>SFS30°10C-3M-10</b>	<b>SFS30°10C-3M-L</b>
1206 SMD LED: 3 PCS*3	
Input Voltage: DC12V±1.5V	
Output Current: 60mA (Max)	

Full Colors Unit: mcd		
Red	Green	Blue
80	180	70
LED View angle: 120°±10°		

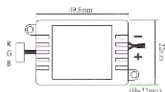
### Accessories:



### Controller:



<b>SFS30C-M-B20F</b>	<b>SFS30C-M-B20S</b>
Flashing (Fast)	Flashing (Solw)
Input Voltage: DC12V±1.5V	
Output Current: 2A (Max)	



## I. Uninterruptible Power Supply (U.P.S)



### Specification:

Item No		101-1	101-2	101-3	101-4	101-5	101-6	101-7
Model No		WP-500A	WP-600A	WP-800A	WP-1000A	WP-1500A	WP-2200	WP-3000
Input	capacitance	500VA	600VA	800VA	1000VA	1500VA	2200VA	3000VA
	Voltage	110V(100V,110V,115V,120V), 220V(220V,230V,240V) +/- 25% Input						
	Frequency	50 or 60 Hz +/- 10%(Auto check)						
	Voltage Range	Normal rated voltage +/- 5%(single 110V/110V/115V/120V/220V/230V/240V)						
Output	Frequency(on battery)	50 or 60 Hz +/- 0.5%						
	Auto. Voltage regulation	When Input Voltage lower than normal rated power 9%~25% AVR auto lower voltage 15% When Input Voltage up to normal rated power 9%~25%AVR auto lower voltage 13%						
	Exchange time	2/4 ms(including auto checking time)						
Protection/ Filter	Transient Voltage Protection	320 joule, 2 ms						
	EMI/RFI Filter	0.15MHz 10 decibel, 30MHz 50 decibel						
	Overload Protection	When following condition, UPS system will shut down automatically. Overload is up to 110% of standard value, protection to 60sec. Overload is up to 130% of standard value, protection to 3 second						
	Input Protection	Shut down automatically or safety fuse protection						
Battery	Transmit 10Base-Cable Port	Internet(UTP, RJ-45)connector(10Base-T Cable Port)						
	Short	Output shut down automatically or fuse protection						
Battery	Type	Airtight and free of water battery						
	Charging Time	4-6 hours charge to 90% of power						
	Protection	Auto check, discharging protection or battery break down warning						
Standby	Time(minutes) (1 PC + 15" TFT-LCD)	20-30	25-35	55-65	60-70	70-80	85-95	140-160
Appearance	Net Weight kg(lbs)	5.8(12.8)	6.6(13.2)	13(28.6)	15(33)	15.6(34.3)	26.2(57.6)	28.9(63.6)
	Size(mm)W×D×H	97×320×135 (3.8"×12.5"×5.3")		130×382×201 (5.1"×15"×7.9")			170×450×225 (6.7"×17.7"×8.5")	
Warning	Battery offer power	Show speed Warning alarm (around 0.47 Hz)						
	Battery low voltage	Quick Speed Warning alarm (around 1.824 Hz)						
	Overload	Continuous Warning alarm						
Interface	RS-232	NO	NO	YES(two-way interface)				
Circumstance	Operation Condition	The highest height is 3500m, humidity is 0-95% (non-congel), 0-40°C						
	Noise Value	< 40 dBA ( 1m height away from ground)						

## J. Automatic Voltage Regulator (A.V.R.)



### Technique standard

<b>structure</b>	Electronic server
<b>input voltage</b>	1.(1ø2W), 110V, 115V, 200V, 220V, 230V, 240V, 380V 2.(3ø3W), 200V, 220V, 230V, 240V, 380V 3.(3ø4W), 173V, 190V, 208V, 400V, 415V
<b>output voltage</b>	1.(1ø2W), 100V, 110V, 115V, 120V, 200V, 220V, 230V, 240V 2.(3ø3W), 1110/220V, 115/230V, 120/240V 3.(3ø3W), 200V, 220V, 230V, 240V, 380V 4.(3ø4W), 173V, 190V, 208V, 380V, 400V, 415V
<b>input range</b>	+/- 15% set up voltage
<b>overload capability</b>	above set up current 150%
<b>efficiency</b>	above 95%(loading from 10%~100% full loading)
<b>waveform loss</b>	no loss(in the comparison with input waveform)
<b>delay time</b>	less 0.1 second(below 5 cycles)
<b>tunable range of output voltage</b>	+/-10%
<b>the stability of unbalance loading</b>	At 100% unbalance output loading maintain within +/- 1%
<b>noise index</b>	less 35db (at 1m distance)
<b>surrounding temperature</b>	0~40°C
<b>surrounding moisture</b>	10~95%(no condensation)

### Specification:

Item No.	Model	Capacity	Specifications
J01-1	AJ-1100	1 KVA	A : IN 1ø2W, 100V/110V/115/120V OUT 1ø2W, 110V/110V/115V/120V/
J01-2	AJ-1200	2 KVA	
J01-3	AJ-1300	3 KVA	
J01-4	AJ-1500	5 KVA	
J01-5	AJ-1750	7.5KVA	B : IN 1ø2W, 200V/220V/230V/240V OUT 1ø2W, 200V/220V/230V/240V
J01-6	AJ-11000	10 KVA	
J01-7	AJ-11500	15 KVA	S : IN 1ø2W, 220V/230V/240 OUT 1ø2W, 110V/220V/115V/230V
J01-8	AJ-12000	20 KVA	
J01-9	AJ-12500	25 KVA	
J01-10	AJ-13000	30 KVA	
J01-11	AJ-13500	35 KVA	
J01-12	AJ-14000	40 KVA	

\*special specifications please call for information

\*The capacity of the series of regulators can extend to 300KVA

## K. EMI Filter



### Features:

- Rated voltage
- Rated current
- Operating frequency
- Leak current
- Hipot testing: (at one min.)
- Insulation resistance
- Direct current resistance
- Operating temperature
- Switch: without light
- Approvals: ce, rohs

### 3A

L = 2 × 1.8mH  
 CX = 0.1uF  
 CY = 2 × 3300pF  
 R = 1MΩ

### 6A

L = 2 × 0.8mH  
 CX = 0.22uF  
 CY = 2 × 2200pF  
 R = 1MΩ

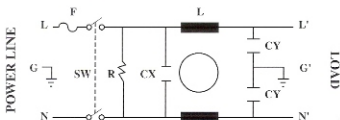
### 10A

L = 2 × 0.3mH  
 CX = 0.1uF  
 CY = 2 × 3300pF  
 R = 1MΩ

### 20A

L = 2 × 0.5mH  
 CX = 0.1uF  
 CY = 2 × 3300pF  
 R = 1MΩ

### Circuit diagram



### Specification:

Item No.	Model No.	Rated Voltage (V)	Rated Current (A)	Measurement (L×W×H)mm	Pitch (mm)	Weight (kgs)	Package Pes/Ctn
K01-1	CW-2A-3A-T	125/250 AC	3A	57×29.5×46	40 ± 0.05	0.08	300
K01-2	CW-2A-6A-T	125/250 AC	6A	57×29.5×46	40 ± 0.05	0.08	300
K01-3	CW-2A-10A-T	125/250 AC	10A	57×29.5×46	40 ± 0.05	0.08	300
K01-4	CW-2B-3A-T	125/250 AC	3A	47×28×46	40 ± 0.05	0.08	300
K01-5	CW-2B-6A-T	125/250 AC	6A	47×28×46	40 ± 0.05	0.08	300
K01-6	CW-2B-10A-T	125/250 AC	10A	47×28×46	40 ± 0.05	0.08	300
K01-7	HUA-9010-SFP03	125/250 AC	3A	49×29×48.5	40 ± 0.05	0.08	300
K01-8	HUA-9010-SFP06	125/250 AC	6A	49×29×48.5	40 ± 0.05	0.08	300
K01-9	HUA-9010-SFP10	125/250 AC	10A	49×29×48.5	40 ± 0.05	0.08	300
K01-10	CW4-15A-T	250V AC	15A	89×51×29	75 ± 0.05	0.15	300
K01-11	CW4-20A-T	250V AC	20A	89×51×29	75 ± 0.05	0.15	300

## M. AC/DC Solid State Relay (SSR)



### Specification:

Item No.	Model No.	Control Voltage Range	Must Turn Off Voltage	Input Impedance	Max Load Current	Load Voltage Range	Min Blocking Voltage	Max Off State Leakage	Frequency Range	Max 1-cycle Peak Surge
MO1-1	KD20C10AX	4T032 VDC	MAX 10 VDC	1.5 Kohm	10A	24-280VAC	600VAC	LESS 7.5mA	47-70HZ	100A
MO1-2	KD20C15AX	4T032 VDC	MAX 10 VDC	1.5 Kohm	15A	24-280VAC	600VAC	LESS 7.5mA	47-70HZ	160A
MO1-3	KD20C25AX	4T032 VDC	MAX 10 VDC	1.5 Kohm	25A	24-280VAC	600VAC	LESS 7.5mA	47-70HZ	260A
MO1-4	KD20C40AX	4T032 VDC	MAX 10 VDC	1.5 Kohm	40A	24-280VAC	600VAC	LESS 7.5mA	47-70HZ	400A

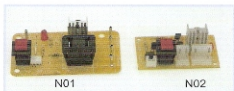
Model No.	Max Off State dV/dt	Max On-State Voltage Drop	Isolate Impedance	Dielectric Strength Input-Output	Dielectric Strength Input-Output-Case	Turn On Time	Turn Off Time	Capacitance In-Out	Weight(g)
KD20C10AX	200V/μ SEC	2.0VACrms	109 ohm	4000 VACrms	2500VAC(rms)	LESS 2mSec	LESS 1/2AC CYCLE	LESS 15 PF	95g
KD20C15AX	200V/μ SEC	2.0VACrms	109 ohm	4000 VACrms	2500VAC(rms)	LESS 2mSec	LESS 1/2AC CYCLE	LESS 15 PF	95g
KD20C25AX	200V/μ SEC	2.0VACrms	109 ohm	4000 VACrms	2500VAC(rms)	LESS 2mSec	LESS 1/2AC CYCLE	LESS 15 PF	100g
KD20C40AX	200V/μ SEC	2.0VACrms	109 ohm	4000 VACrms	2500VAC(rms)	LESS 2mSec	LESS 1/2AC CYCLE	LESS 15 PF	100g

### Specification:

Item No.	Model No.	Control Voltage Range	Must Turn Off Voltage	Input Impedance	Max Load Current	Load Voltage Range	Min Blocking Voltage	Max Off State Leakage	Frequency Range	Max 1-cycle Peak Surge
M02-1	KF0602D	3 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	2A	3-60VDC	80VDC	LESS 1 mA	47-70HZ	3A
M02-2	KF0602D	3 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	4A	3-60VDC	80VDC	LESS 1 mA	47-70HZ	8.5A

Model No.	Max Off State dV/dt	Max On-State Voltage Drop	Isolate Impedance	Dielectric Strength Input-Output	Dielectric Strength Input-Output-Case	Turn On Time	Turn Off Time	Capacitance In-Out	Weight(g)
KF0602D	200V/μ SEC	1.2Vrms	10 <sup>9</sup> ohm	2500 Vrms	—	LESS 2 mSec	LESS 1/2 cycle	LESS 15 PF	10g
KF0602D	200V/μ SEC	1.2Vrms	10 <sup>9</sup> ohm	2500 Vrms	—	LESS 2 mSec	LESS 1/2 cycle	LESS 15 PF	12g

## N. PCB State Relay (SSR)

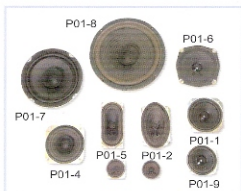


### Specification:

Item No.	MODEL NO.	Control voltage Range	Must Turn off Voltage	Input Impedance	Max Load Current	Load Voltage Range	Min Blocking Voltage	Max off-State Leakage	Frequency Range	Max 1-cycle Peak Surge
NO1-1	PC10C4AX	4 TO 32 VDC	MAX 1.0 VDC	1.5Kohm	4A	110V/220VAC	380VAC	LESS 7.5 mA	50-60HZ	50A
NO1-2	PC10C8AX	4 TO 32 VDC	MAX 1.0 VDC	1.5Kohm	8A	110V/220VAC	380VAC	LESS 7.5 mA	50-60HZ	60A
NO1-3	PC10C15AX	4 TO 32 VDC	MAX 1.0 VDC	1.5Kohm	16A	110V/220VAC	380VAC	LESS 7.5 mA	50-60HZ	60A

Item No.	MODEL NO.	Control voltage Range	Must Turn off Voltage	Input Impedance	Max Load Current	Load Voltage Range	Min Blocking Voltage	Max off-State Leakage	Frequency Range	Max 1-cycle Peak Surge
NO2-1	PC0602D	3 TO 32 VDC	MAX 1.0 VDC	1.5Kohm	2A	3-60VDC	80VDC	LESS 1 mA	47-70HZ	3A
NO2-2	PC0604D	3 TO 32 VDC	MAX 1.0 VDC	1.5Kohm	4A	3-60VDC	80VDC	LESS 1 mA	47-70HZ	8.5A

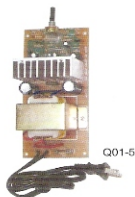
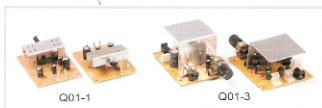
## P. Single & Stereo Speaker



### Specification:

Item No.	Model No.	Input Power (W)	Nominal Impedance ( $\Omega$ )	Lowest Resonant Frequency (Hz)	Size(mm) Dimensions W×H×D	Max. Input Power (W)	Harmonic Distortion	Sound Pressure Level(dB)	Weight (kgs)
P01-1	ST-4"	Rated:5W Max.5W	$8\Omega \pm 15\%$	$110\text{Hz} \pm 20\%$	$102 \times 102$	5W	$\leq 5(\%)$	$83\text{dB} \pm 3\text{dB}$	0.15
P01-2	ST3×5"AP	Rated:12W Max.15W	$8\Omega \pm 15\%$	$110\text{Hz} \pm 20\%$	$73 \times 128 \times 53$	12W	$\leq 5(\%)$	$83\text{dB} \pm 3\text{dB}$	0.25
P01-3	ST-4×4"AT	Rated:15W Max.20W	$8\Omega \pm 15\%$	$150\text{Hz} \pm 20\%$	$105 \times 105 \times 50$	20W	$\leq 5(\%)$	$85\text{dB} \pm 3\text{dB}$	0.40
P01-4	ST-4×4"AH	Rated:15W Max.30W	$8\Omega \pm 15\%$	$100\text{Hz} \pm 20\%$	$105 \times 105 \times 46$	30W	$\leq 5(\%)$	$85\text{dB} \pm 3\text{dB}$	0.45
P01-5	ST-2×5"AP	Rated:10W Max.15W	$8\Omega \pm 15\%$	$120\text{Hz} \pm 20\%$	$58 \times 126 \times 48$	15W	$\leq 5(\%)$	$87\text{dB} \pm 3\text{dB} \leq 5\%$	0.20
P01-6	ST-5×5"AP	Rated:15W Max.20W	$8\Omega \pm 15\%$	$70\text{Hz} \pm 20\%$	$130 \times 130 \times 52$	20W	$\leq 5(\%)$	$88\text{dB} \pm 3\text{dB} \leq 5\%$	0.50
P01-7	ST-6×6"AX	Rated:30W Max.40W	$8\Omega \pm 15\%$	$50\text{Hz} \pm 20\%$	$156 \times 156 \times 79$	40W	$\leq 5(\%)$	$86\text{dB} \pm 2\text{dB} \leq 5\%$	0.72
P01-8	ST-8×8"AX	Rated:30W Max.40W	$8\Omega \pm 15\%$	$65\text{Hz} \pm 20\%$	$253 \times 253 \times 110$	40W	$\leq 5(\%)$	$94\text{dB} \pm 3\text{dB} \leq 5\%$	0.92
P01-9	ST-3×3"AP	Rated:12W Max.15W	$8\Omega \pm 15\%$	$110\text{Hz} \pm 20\%$	$78 \times 78 \times 46$	15W	$\leq 5(\%)$	$88\text{dB} \pm 3\text{dB} \leq 5\%$	0.30

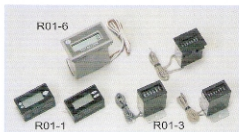
## Q. Single & Stereo Amplifier



### Specification:

Item No.	Model No.	Input DC	Nominal Impedance	Lowest Resonant Frequency	Size(mm) Dimensions	Max. Input Power(W)	Weight (kgs)	Packing
Q01-1	AMP-05	DC +12V	$4\Omega - 8\Omega$	$110\text{Hz} \pm 20\%$	$80 \times 60$	5W	0.04	100PCS
Q01-2	AMP-10	DC +12V	$4\Omega - 8\Omega$	$110\text{Hz} \pm 20\%$	$80 \times 60$	10W	0.04	100PCS
Q01-3	AMP-20	DC +12V	$4\Omega - 8\Omega$	$100\text{Hz} \pm 20\%$	$85 \times 75$	20W	0.1	100PCS
Q01-4	AMP-30	DC +12V	$4\Omega - 8\Omega$	$70\text{Hz} \pm 20\%$	$85 \times 75$	30W	0.1	100PCS
Q01-5	AMP-40	DC +12V	$4\Omega - 8\Omega$	$50\text{Hz} \pm 20\%$	$167 \times 85$	40W	0.9	50PCS

## R. Counter With Lcd



### Specification:

Item No.	Model No.	Input Counter	Voltage Range	Digitals	Resst Button	Wiring Connection	Net Weight
R01-1	LSP-7	Plus Calculation	DC4.5V~13V AC, DC iniov	7	No	2.0 4P Plug	0.04
R01-2	LSP-7R			7	Yes		0.04
R01-3	SP-6			6	No		0.03
R01-4	SP-7			7	No		0.03
R01-5	SP-7B(2 rows)			7	No		0.06
R01-6	LSP-8M			8	Yes		0.1

## S. Accessories

- each nation register cords
- connector 10p~36p
- Mireo switch & AC Switch.
- AC/DC 1/flash lamp
- LED light
- Push button (round/square type)
- Electronic coin selector
- 2/3 Color indicator lamp
- Anti-shock.....etc.

