

**APPLICATIONS:**

DVD  
Set Top Box  
POS  
Notebook PC

## Color STN-LCD Modules

Display Size	Model Number	Display Format H × V (dots)	Pixel Pitch H × V (mm)	Active Area H × V (mm)	Panel Type, Panel Mode, Backlight Type	CR <sup>1</sup> TYP.	RT <sup>2</sup> (ms) TYP.	Bright. (cd/m <sup>2</sup> ) TYP.	PC <sup>3</sup> (mW) TYP.	Outline Dimensions W × H × D (mm) <sup>4</sup>	Weight (g)
5.5"	LM5Q31◆ <sup>12,14</sup>	320 × 3 × 240 <sup>5</sup>	0.315 × 0.315	100.8 × 75.6	TSTN, transmissive, 1 CCFT, edge-light type	30	200	100	3,400	134 × 100 (113) × 15	165
	LM5Q32◆ <sup>12,15</sup>					30	200	100	3,300	134 × 100 (113) × 10.5	150
	LM6Q31★ <sup>12,14</sup>		<30>	<120>		<150>	TBD	145 (153) × 114 × 13	230		
	LM6Q33★ <sup>13,14</sup>		<40>	<80>		<180>	TBD	145 (153) × 114 × 13	210		
6.5"	LM7M63★	640 × 3 × 240 <sup>6</sup>	0.24 × 0.24	153.6 × 57.6		<25>	<350>	<70>	<800>	173 × 73 × 6.7	<120>
7.7"	LM8V30	640 × 3 × 480 <sup>7</sup>	0.246 × 0.246	157.4 × 118.0		30	350	70	1,000	197 × 142.5 × 8	240
	LM8V31★		0.264 × 0.264			<25>	<350>	<70>	<1,000>	197 × 142.5 × 8	<240>
8.1"	LM8M64★	640 × 3 × 240 <sup>6</sup>	0.30 × 0.30	192.0 × 72.0		<35>	<300>	<70>	<1,100>	225.4 × 87.4 × 6.7	<180>
9.4"	LM9V38★	640 × 3 × 480 <sup>7</sup>	0.30 × 0.30	192.0 × 144.0		<25>	<350>	<70>	<1,400>	227 × 179.2 × 9.5	<350>
10.4"	LM64C350		0.33 × 0.33	211.2 × 158.4		TSTN, transmissive, 1 CCFT, edge-light type, low temperature and long life backlight	30	300	70	3,600	242.5 × 179.4 × 8.5
	LM10V33				TSTN, transmissive, 1 CCFT, edge-light type, long life backlight	30	300	70	4,050	264 × 193 × 8.5	450
11.1"	LM11X30 <sup>17</sup>		1024 × 3 × 600 <sup>9</sup>	0.2385 × 0.2385	244.2 × 143.1	TSTN, transmissive, 1 CCFT, edge-light type	25	350	85	4,400	277.5 × 165 × 8.5
11.3"	LM64C391	640 × 3 × 480 <sup>7</sup>	0.36 × 0.36	230.4 × 172.8	TSTN, transmissive, 2 CCFT, edge-light type	25	300	150	6,780	271.5 × 199.5 × 10	670
	LM80C24 <sup>17</sup>	800 × 3 × 600 <sup>8</sup>	0.2865 × 0.2865	229.1 × 171.9	TSTN, transmissive, 1 CCFT, edge-light type	27	300	80	3,700	249.5 (260.5) × 187 × 8.5	470

**NOTES:**

- Contrast ratio
  - Response time, tr = td
  - Power consumption
  - All values of outline dimensions are measured excluding mounting tabs (MAX. value)
  - Display pixel count: 76,800
  - Display pixel count: 153,600
  - Display pixel count: 307,200
  - Display pixel count: 480,000
  - Display pixel count: 614,400
  - Display pixel count: 786,432
  - EDS (earth and desk saving)
  - Single scan
  - Dual scan
  - With FIFO
  - Without FIFO
  - High contrast, Sharp addressing LCD
  - Sharp addressing drive
  - HC-Addressing (high contrast-addressing) drive
  - TSTN: Triple Super Twisted Nematic
  - Reflective mode: 4.2, Transmissive mode: 3
- ( ) Values including mounting tabs  
<> Values tentative  
◆ New product  
★ Under development

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12.1"	LM80C36 <sup>17</sup>	800 × 3 × 600 <sup>8</sup>	0.3075 × 0.3075	246.0 × 183.0	TSTN, transmissive, 1 CCFT, edge-light type	25	300	70	3,700	275 × 199 × 8.5	530
	LM80C312◆			246.0 × 184.5	TSTN, transmissive, 2 CCFT, edge-light type	25	350	200	7,840	290 × 225 × 9.3	700
	LM12S02★ <sup>18</sup>				TSTN, transmissive, 1 CCFT, edge-light type	40	150	80	5,300	275 × 202.5 × 8.9	520
	LM12S40 <sup>16</sup>				TSTN, transmissive, 1 CCFT, edge-light type	40	300	70	3,430	275 × 202.5 × 7.5	450
	LM12S402				TSTN, transmissive, 1 CCFT, edge-light type	40	300	100	3,430	275 × 202.5 × 8.3	490
13.0"	LM12X35 <sup>17</sup>	1,024 × 3 × 768 <sup>10</sup>	0.24 × 0.24	245.7 × 184.3	TSTN, transmissive, 2 CCFT, edge-light type	40	300	150	7,660	279.5 × 205.5 × 10	665
13.0"	LM13X31★ <sup>16</sup>		0.258 × 0.258	264.2 × 198.1	TSTN, transmissive, 1 CCFT, edge-light type	<35>	<300>	<70>	<3,900>	298.4 × 213.5 × 10	<650>
13.8"	LM14X82 <sup>11,16</sup>		0.273 × 0.273	279.5 × 209.6	TSTN, transmissive, 4 CCFT, edge-light type	35	300	200	16,550	330 × 242 × 16	1,400
15"	LM15X80 <sup>11,16</sup>		0.297 × 0.297	304.1 × 228.1		35	300	200	16,750	355 × 261 × 16.5	1,700
	LM15X11★ <sup>11,18</sup>		0.297 × 0.297	304.1 × 228.1		<30>	<150>	<200>	<19,000>	355 × 263.1 × 18	<1,980>
17.7"	LM18X84 <sup>11,16</sup>		0.351 × 0.351	359.4 × 269.5	TSTN, transmissive, 4 CCFT, edge-light type	30	400	150	18,500	450 × 323.6 (343.2) × 24.5	2,200
	LM18X12★ <sup>11,18</sup>					<30>	<150>	<200>	<42,000>	480 × 323.6 (343.2) × 29.5	<4,200>
	LM18X94★ <sup>11,16</sup>				TSTN, transmissive, 8 CCFT, direct backlight mechanism	<30>	<400>	<200>	<34,000>	480 × 343.2 × 30	<3,750>

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