

## DMF Series

Liquid Crystal Displays  
Graphic DMF Series



### FEATURES

- Low voltage operation, low power consumption
- Lightweight compact design
- Graphic, figure and character display
- High contrast, wide viewing angle
- Single-cell film-type black & white (FSTN) or RGB colour
- Can be interfaced with CPU's via CMOS controllers
- Choice of EL, LED or CFL backlighting

### Specification Table

Dot Pixels (W x Hmm)	Type No.	Dot Pitch (W x Hmm)	Viewing Area (W x Hmm)	Duty	Module Dimensions (W x Hmm x Dmm)	Power (mw)	Controller LSI
119 x 73	DMF50834	0.36 x 0.36	46.8 x 30.2		58.8 x 39.6 x 7.0		
160 x 64	DMF51026	0.37 x 0.37	62.4 x 27.6	1/64	89.0 x 35.6 x 13.9	18	MSM6255, HD64646, SED1330
160 x 128	DMF5001	0.58 x 0.58	101.0 x 82.0	1/128	129.0 x 102.0 x 19.2	167	Built-in LSI T6963C
	DMF5003	0.58 x 0.58	101.0 x 82.0	1/128	152.0 x 112.0 x 23.0	142	Built-in LSI T6963C
240 x 64	DMF5005	0.53 x 0.53	132.0 x 39.0	1/64	180.0 x 65.0 x 12.0	58	Built-in LSI T6963C
	DMF5010	0.53 x 0.53	132.0 x 39.0	1/64	200.0 x 66.0 x 23.0	93	Built-in LSI T6963C
	DMF50316	0.53 x 0.53	132.0 x 39.0	1/64	180.0 x 70.0 x 14.0	98	Built-in LSI T6963C
240 x 128	DMF50773	0.50 x 0.50	126.0 x 70.0	1/64	170.0 x 105.0 x 14.0	58	Built in LSI T6963C
256 x 128	DMF6104	0.47 x 0.47	127.0 x 70.0	1/64	167.0 x 116.0 x 24.0	108	MSM6255, HD64646, SED1330
320 x 240	DMF50081	0.30 x 0.30	103.0 x 79.0	1/240	139.0 x 120.0 x 13.2	139	MSM6255, HD64646, SED1330
	DMF50174	0.36 x 0.36	122.0 x 92.0	1/240	174.0 x 112.0 x 14.0	178	MSM6255, HD64646, SED1330
	DMF50840	0.36 x 0.36	122.0 x 92.0	1/240	167.0 x 109.0 x 11.0	165	MSM6255, HD64646, SED1330
640 x 200	DMF50036	0.35 x 0.49	231.0 x 105.0	1/200	270.0 x 142.0 x 13.5	234	MSM6255, HD64646, SED1351
640 x 480	F-51430	0.30 x 0.30	196.0 x 148.0	1/240	260.0 x 174.0 x 8.5	410	MSM6255, V6366, HD64646
	DMF50961	0.23 x 0.23	153.0 x 115.4	1/240	201.0 x 141.0 x 6.5	198	MSM6255, V6366, HD64646, SED1351
	DMF51102	0.33 x 0.33	216.0 x 160.8	1/240	264.0 x 183.0 x 10.0	537	MSM6255, SPD810X, SED1353FOA

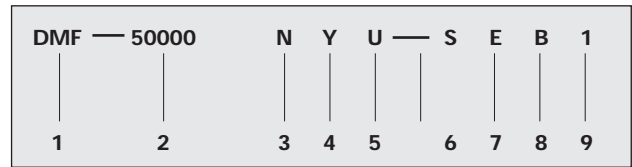
### COG (Chip On Glass) LCDs Specifications Table

128 x 64	F-51320	0.50 x 0.50	66.8 x 35.5	1/64	89.7 x 49.8 x 11.8		Built-In
240 x 64	F-51405	0.53 x 0.53	130.2 x 36.7	1/64	135.2 x 51.7 x 9.8		Built-in
320 x 240	F-51477	0.30 x 0.30	99.9 x 77.0	1/240	116.4 x 94.0 x 6.0		

### Colour STN LCDs Specifications Table

240 x 64	F-51168	0.17 x 0.53	132.0 x 39.0	1/64	180.0 x 59.6 x 14.0		
240 x 320	F-51373	0.24 x 0.24	59.0 x 80.3	1/320	73.0 x 94.4 x 7.3		
320 x 240	F-51510	0.23 x 0.23	78.0 x 56.4	1/240	90.5 x 68.2 x 5.8		
640 x 480	F-51202	0.08 x 0.23	154.2 x 117.0	1/480	194.0 x 136.0 x 7.5		

## Part Number Generation



## DMF Series

- 1) Type of display. Full dot matrix.
- 2) Development number 3 to 5 digits.
- 3) LCD type Nil: TN N:STN
- 4) Background colour  
Nil: Neutral, B: Blue, K = Dark Blue,  
Y = Yellow, C: Colour, F = FSTN,  
W = DSTN
- 5) Viewing Direction  
Nil = 6:00, U = 12:00,  
L = 9:00, R = 3:00
- 6) Display mode Nil: Reflective, transmissive with backlight,  
S: Transflective,  
T: Transmissive without backlight
- 7) Backlight Nil: without backlight E: EL, F: CFL,  
L: LED
- 8) Backlight colour  
Nil: without backlight, W: White,  
B: Blue, Y: Yellow
- 9) Supplementary specifications

### AVAILABLE OPTIONS (Note...characters shown in red denote popular Amtex stock)

Type No.	Variation				Inverter for CFL
	R	EL	CFL	LED	
DMF50834		NFJ-SEB			
DMF51026				NY-LY	
DMF5001	N	NYL-SEB		NY-LY-AIE	
DMF5003			NB-FW, NY-FW		CXA-L10A
DMF5005		N-SEW		NY-LY-AKE	
DMF5010			NB-FW, NF-FW		CXA-L10A
DMF50316			NB-FW, NF-FW		CXA-L10A
DMF50773				NF-SLY	
DMF6104			NB-FW, NF-FW		CXA-L10L
DMF50081			ZNB-FW, ZNF-FW		CXA-L10L
DMF50174			ZNB-FW, ZNF-FW		CXA-L10L
DMF50840			NF-FW, NB-FW		CXA-L10L
DMF50036			ZNFU-FW, ZNB-U-FW		CXA-M10L
F-51430			NFU-FW, NF-FW		CXA-M10L
DMF50961			NF-FW, NF-SFW		S-12562-5M
DMF51102			NFU-FW		CXA-L0612-VMR

#### EXAMPLE:

DMF - 5005NF = FSTN  
(Black & White film type).

DMF - 5005NF - SEW = FSTN  
type LCD with transflective, EL,  
white backlight.

DMF - 5005NY - LY = STN  
Yellow LCD, LED Yellow  
backlight.

Please contact Amtex for  
interfacing details.

F-51320	GNF			GNY-LY, GNB-LW	
F-51405				GNY-LY, GNY-LA	
F-51477				GNF-SLY	

F-51168			NCU-FW		Built-In
F-51373			GNC-FW, GNC-LW		
F-51510				TNC-MLW	
F-51202			NC-FW		INV02C1-12C2B