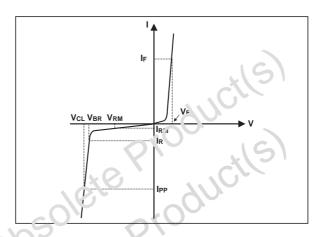
ABSOLUTE MAXIMUM RATINGS $(T_{amb} = 25 \text{ °C})$

Symbol	Parameter and test conditions	Value	Unit
T _i	Maximum junction temperature	125	°C
T _{op}	Operating temperature range	-40 to + 85	°C
T _{stq}	Storage temperature range	-55 to +150	°C

ELECTRICAL CHARACTERISTICS (T_{amb} = 25°C)

Symbol	Parameters
V_{BR}	Breakdown voltage
I _{RM}	Leakage current @ V _{RM}
V_{RM}	Stand-off voltage
V _{CL}	Clamping voltage
R_d	Dynamic impedance
I _{PP}	Peak pulse current
R _{I/O}	Series resistance between Input & Output
C _{line}	Input capacitance per line



Symbol	Test conditions	Min	Тур	Max	Unit
V_{BR}	I _R = 1mA	6	8	10	V
I _{RM}	V _{RM} = 3V			500	nA
R _{I/O}	40,	90	100	110	Ω
C _{line}	At 0V hias			35	рF
Rt/Ft	Ino. ced rise and fall time 10-90% at 26 MHz f quericy signal V = 1.9 V (Rt / Ft input 1 ns, 509 inpedance generator)		8 (1)		ns

⁽¹⁾ guarani ายป by design

Fig. 1: S21(dB) all lines attenuation measurement and Aplac simulation.

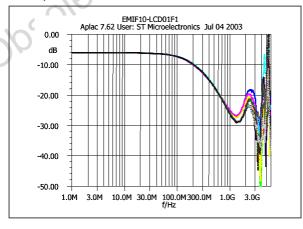
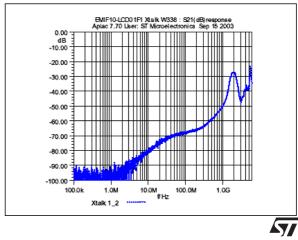


Fig. 2: Analog crosstalk measurements.



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Fig. 3: ESD response to IEC61000-4-2 (+15kV air discharge) on one input and one output.

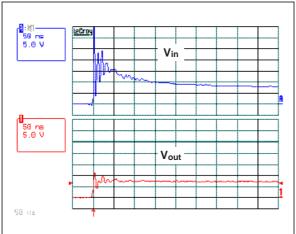
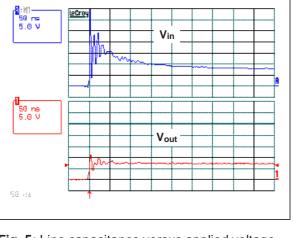


Fig. 5: Line capacitance versus applied voltage.



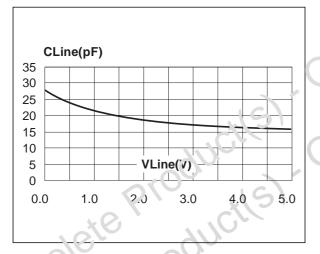


Fig. 7: Fall time 10-90% measurements with 1.9V signa! at 26 MHz frequency (50 Ω generator).

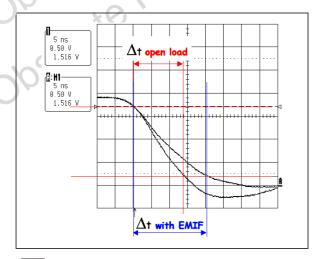


Fig. 4: ESD response to IEC61000-4-2 (-15kV air discharge) on one input and one output.

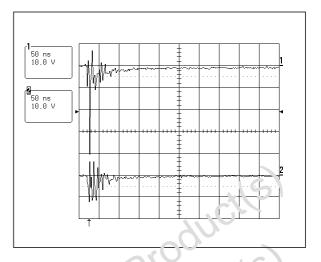
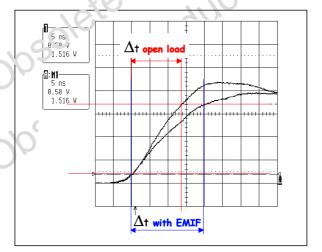
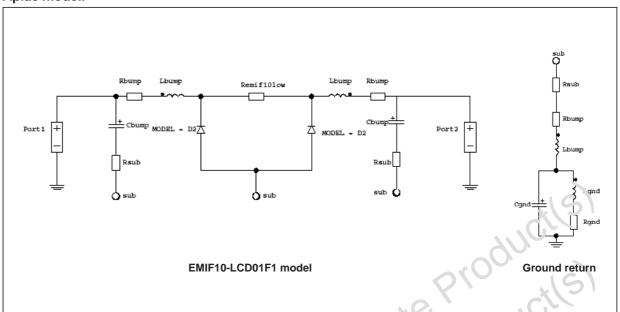


Fig. 6: Rise time 10-20% measurements with 1.9V signal at 26 MHz frequency (50 Ω generator).



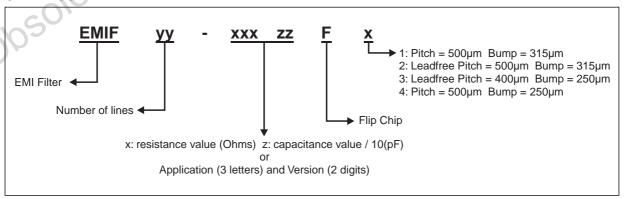
EMIF10-LCD01F1

Aplac model.

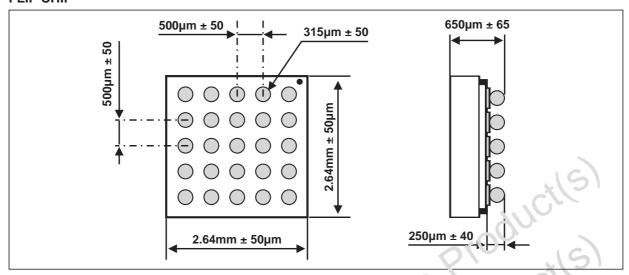


Aplac parameters.

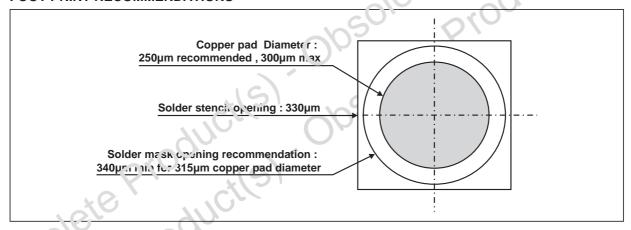
ORDER CODE



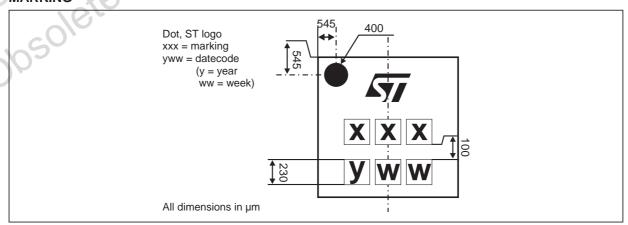
PACKAGE MECHANICAL DATA FLIP CHIP



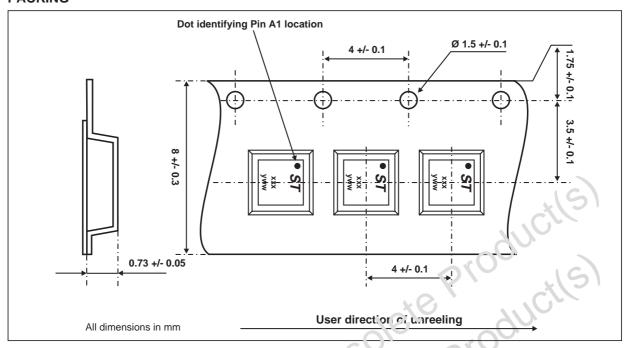
FOOT PRINT RECOMMENDATIONS



MARKING



PACKING



OTHER INFORMATION

Ordering code	Marking	Package	Weight	Base qty	Delivery mode
EMIF10-LCD01F1	FLT	Fiip Chip	9.3 mg	5000	Tape & reel (7")

Note: More information are available in the application notes:

- AN1235: "Flip-Chip Package description and recommandations for use" - AN1751: "EM' Filters: Recommendations and measurements"

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