

1 Characteristics

Table 1. Absolute ratings (limiting values)

Symbol	Parameter and test conditions	Value	Unit
T_j	Maximum junction temperature	125	°C
T_{op}	Operating temperature range	- 40 to + 85	°C
T_{stg}	Storage temperature range	- 55 to + 150	°C

Table 2. Electrical characteristics ($T_{amb} = 25\text{ °C}$)

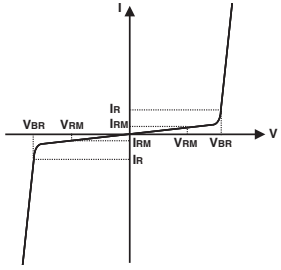
Symbol	Parameter				
V_{BR}	Breakdown voltage				
I_{RM}	Leakage current @ V_{RM}				
V_{RM}	Stand-off voltage				
R	Series resistance between input and output				
C_{line}	Input capacitance per line				
Symbol	Test conditions	Min.	Typ.	Max.	Unit
V_{BR}	$I_R = 1\text{ mA}$	6	8	10	V
I_{RM}	$V_{RM} = 3\text{ V per line}$			500	nA
R	$I = 10\text{ mA}$	80	100	120	Ω
C_{line}	$V_R = 3\text{ V dc, } 1\text{ MHz } V_{OSC} = 30\text{ mV}$		16	19	pF

Figure 3. S21 (dB) attenuation measurement Figure 4. Analog crosstalk measurement

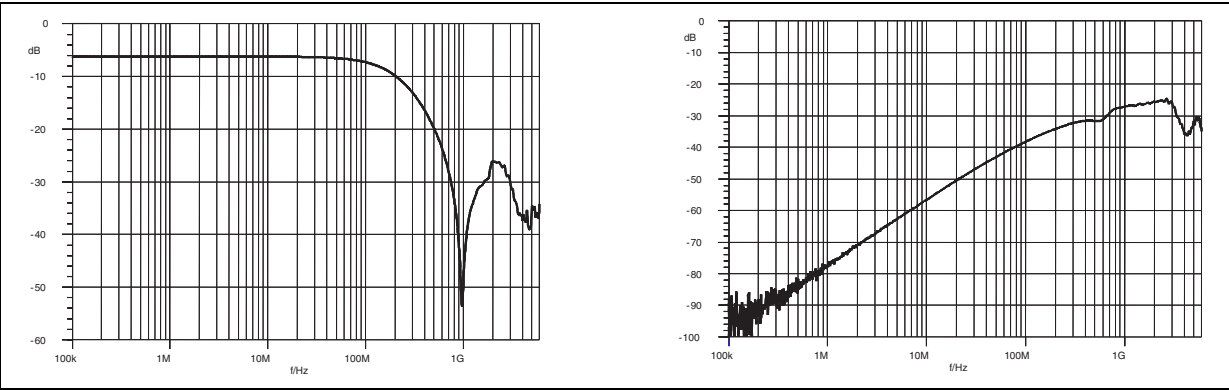


Figure 5. ESD response to IEC 61000-4-2 (+15 kV air discharge) on one input (V_{in}) and on one output (V_{out}) Figure 6. ESD response to IEC 61000-4-2 (-15 kV air discharge) on one input (V_{in}) and on one output (V_{out})

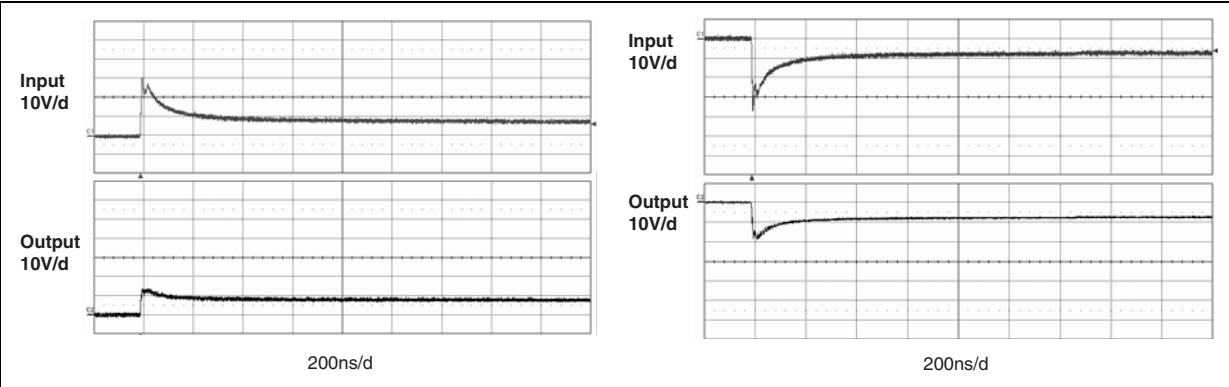
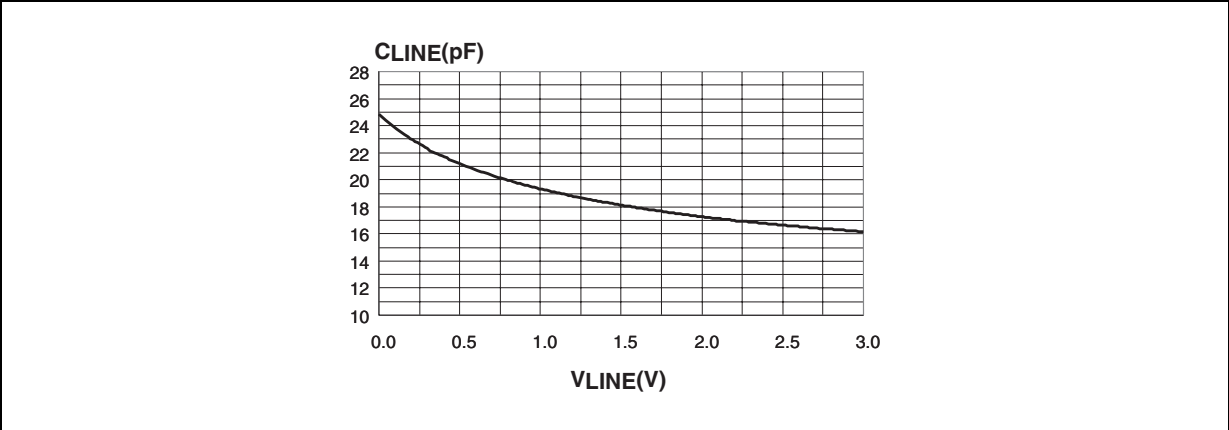
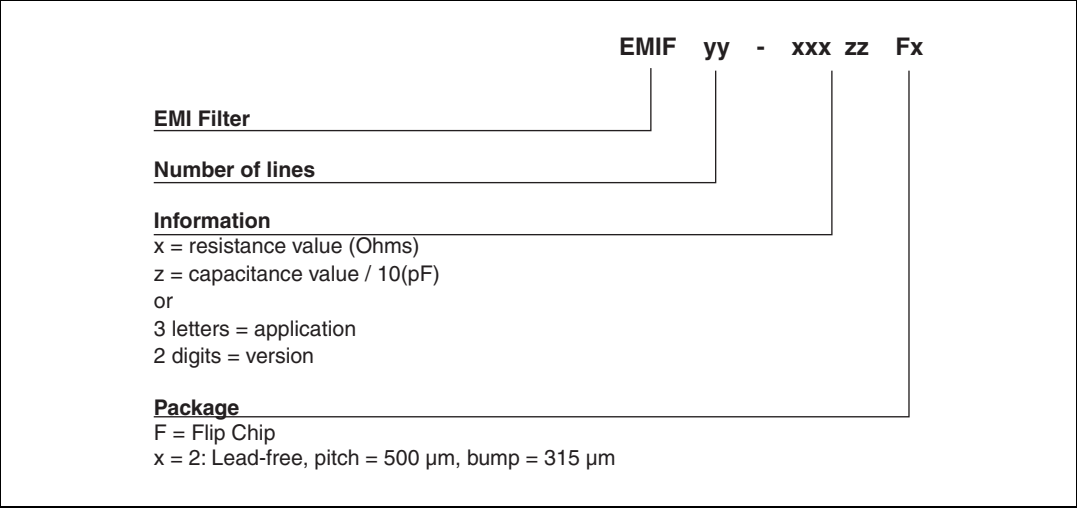


Figure 7. Junction capacitance versus reverse voltage applied (typical values)



2 Ordering information scheme

Figure 8. Ordering information scheme



3 Package information

In order to meet environmental requirements, ST offers these devices in ECOPACK® packages. These packages have a lead-free second level interconnect. The category of second level interconnect is marked on the inner box label, in compliance with JEDEC Standard JESD97. The maximum ratings related to soldering conditions are also marked on the inner box label. ECOPACK is an ST trademark. ECOPACK specifications are available at www.st.com.

Figure 9. Flip Chip package dimensions

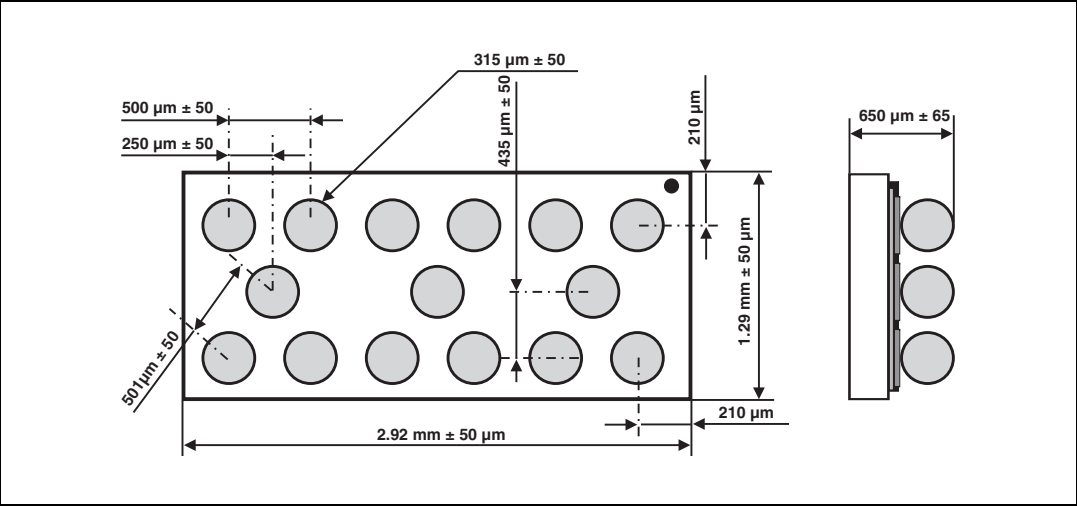


Figure 10. Footprint recommendations **Figure 11. Marking**

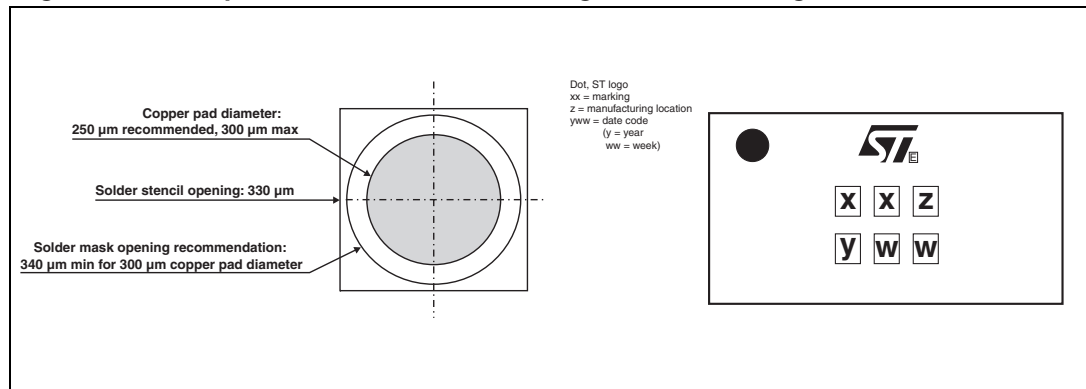
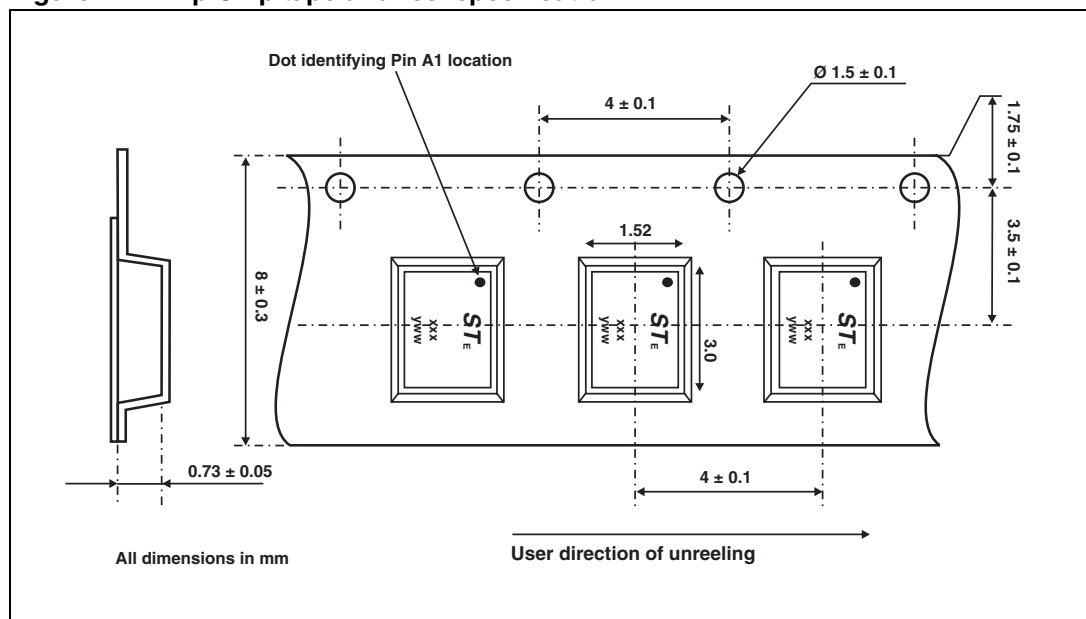


Figure 12. Flip Chip tape and reel specification



*Note: More packing information is available in the application note
AN1235: “Flip Chip: Package description and recommendations for use”
AN1751: “EMI Filters: Recommendations and measurements”*

4 Ordering information

Table 3. Ordering information

Order code	Marking	Package	Weight	Base qty	Delivery mode
EMIF06-VID01F2	GR	Flip Chip	5.4 mg	5000	Tape and reel 7"

5 Revision history

Table 4. Document revision history

Date	Revision	Changes
15-Feb-2005	1	First issue.
28-Apr-2008	2	Added ECOPACK statement. Updated Figure 9 , Figure 11 , and Figure 12 . Reformatted to current standards.

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