

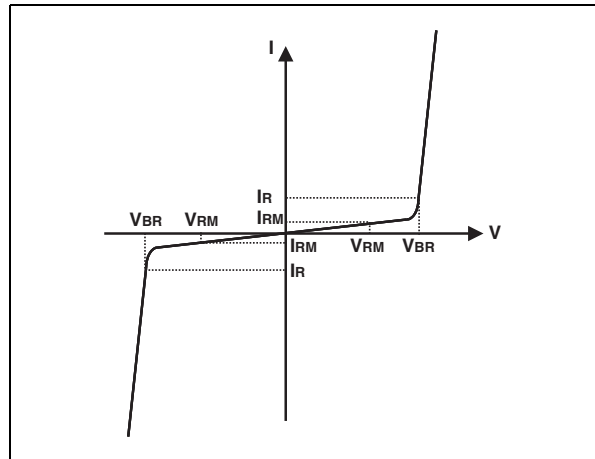
EMIF04-VID01C1

Table 2: 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 3: Electrical Characteristics ($T_{amb} = 25^\circ\text{C}$)

Symbol	Parameter
V_{BR}	Breakdown voltage
I_{RM}	Leakage current @ V_{RM}
V_{RM}	Stand-off voltage
R	Series resistance between Input & 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}	$V_R = 3\text{V DC}$ 1MHz $V_{OSC} = 30\text{mV}$		16	19	pF

Figure 3: S21 (dB) attenuation measurement

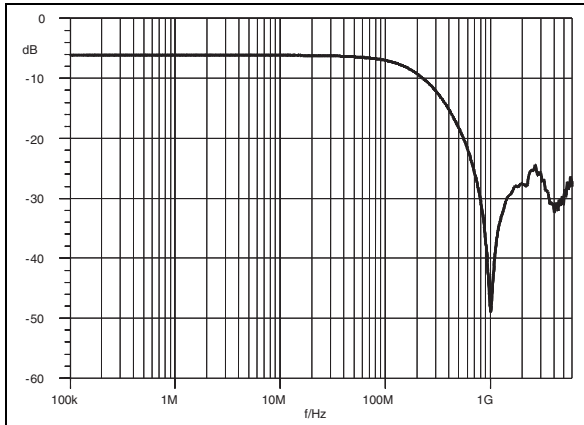


Figure 4: Analog crosstalk measurement

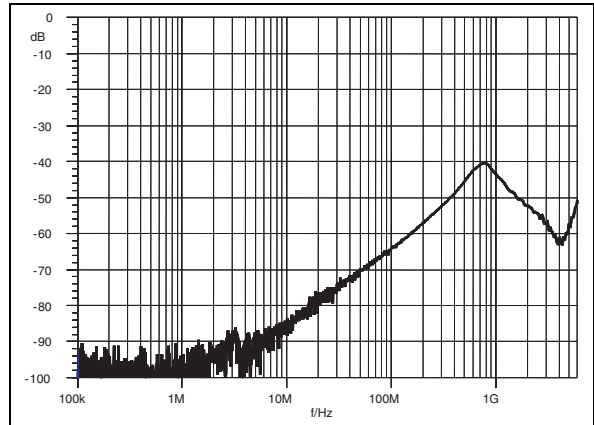


Figure 5: ESD response to IEC61000-4-2 (+15kV air discharge) on one input V(in) and on one output (Vout)

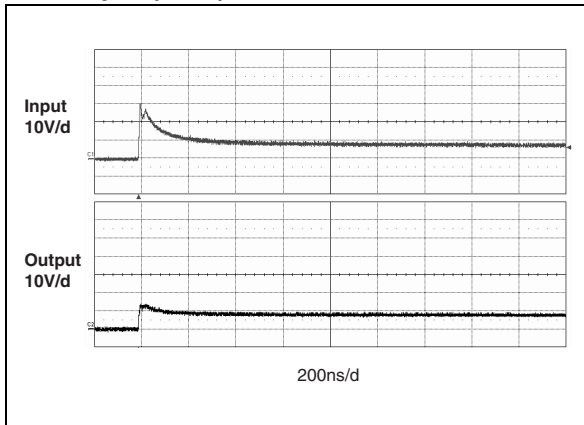


Figure 6: ESD response to IEC61000-4-2 (-15kV air discharge) on one input V(in) and on one output (Vout)

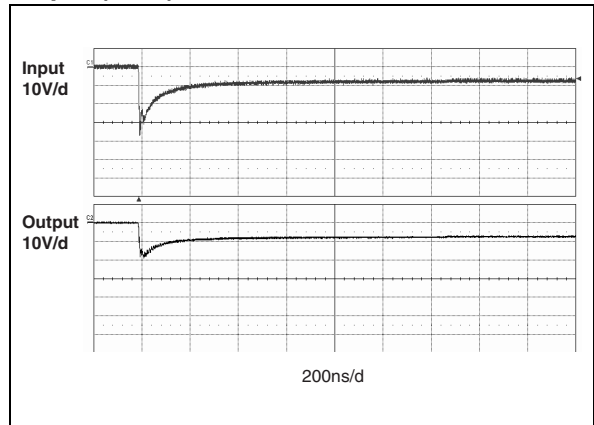


Figure 7: Junction capacitance versus reverse voltage applied (typical values)

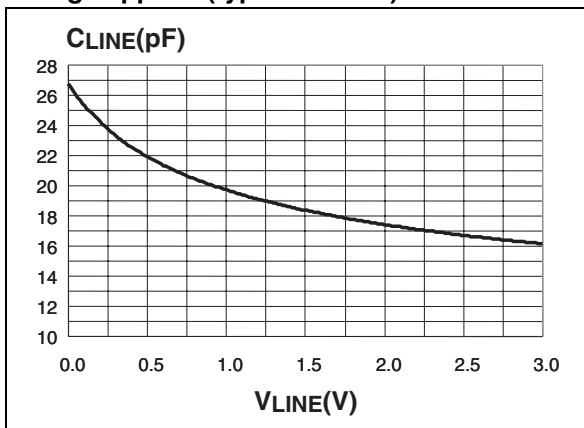


Figure 8: Ordering Information Scheme

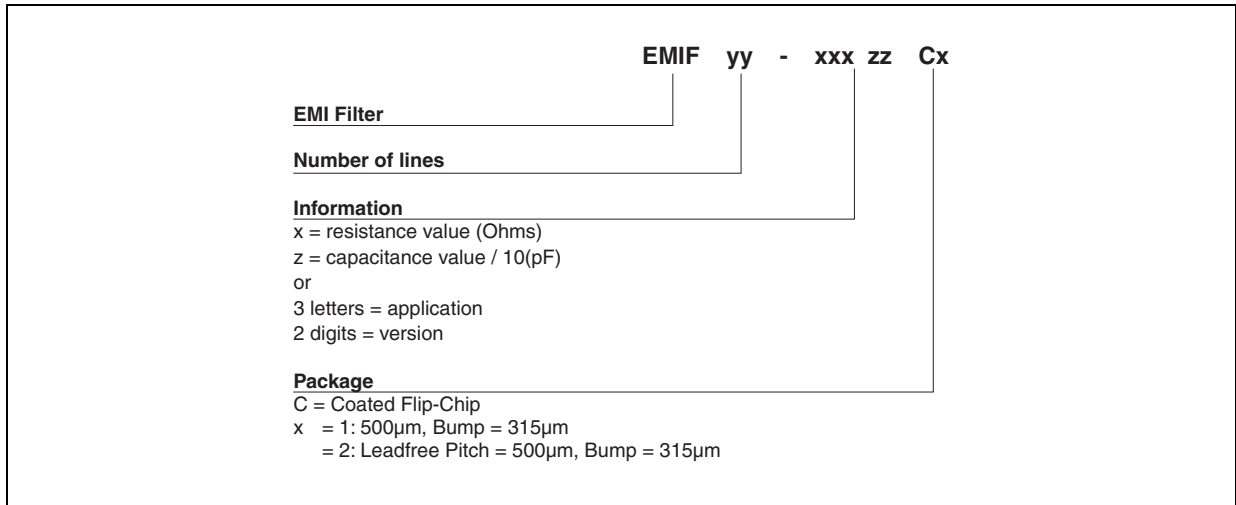


Figure 9: FLIP-CHIP Package Mechanical Data

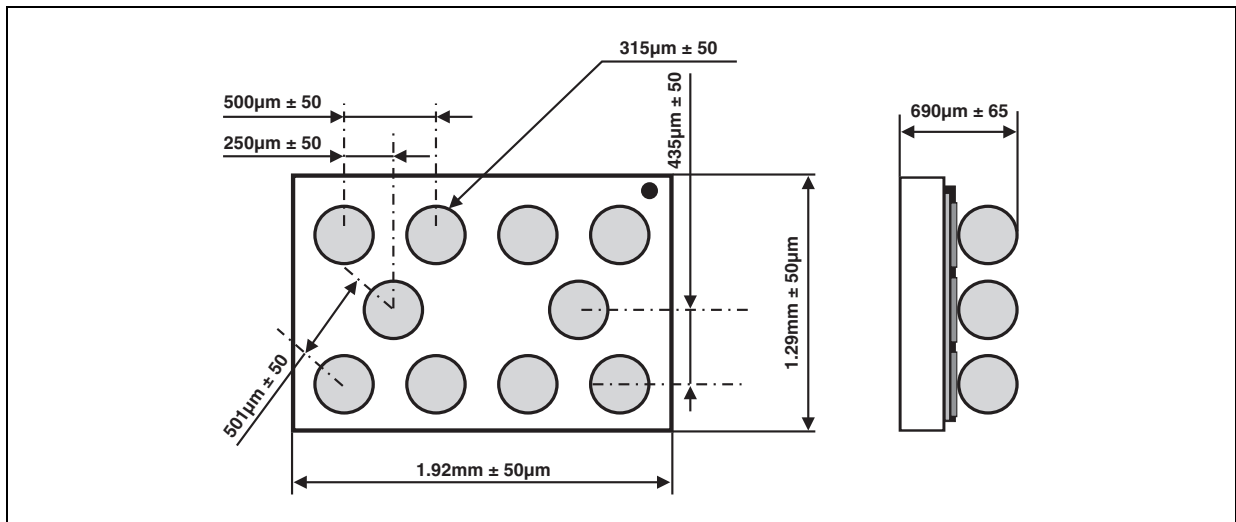


Figure 10: Foot Print Recommendations

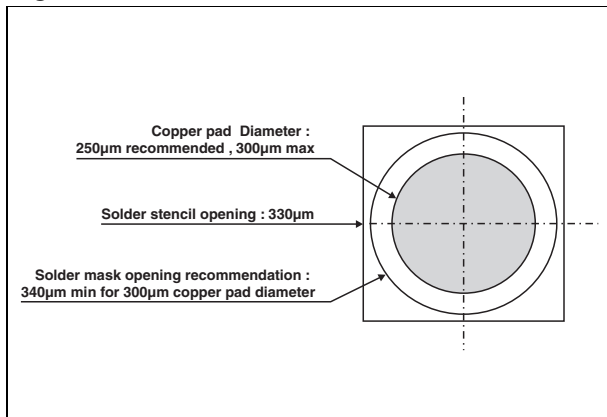


Figure 11: Marking

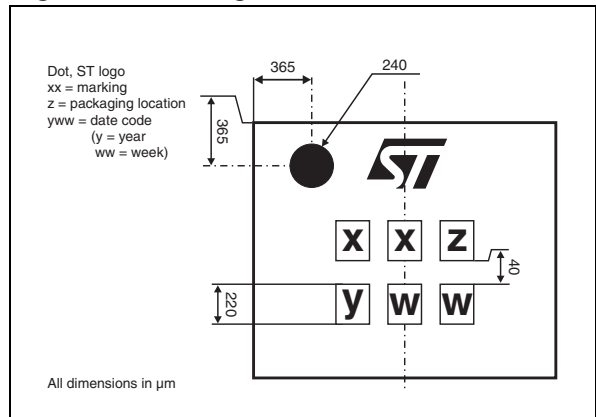


Figure 12: FLIP-CHIP Tape and Reel Specification

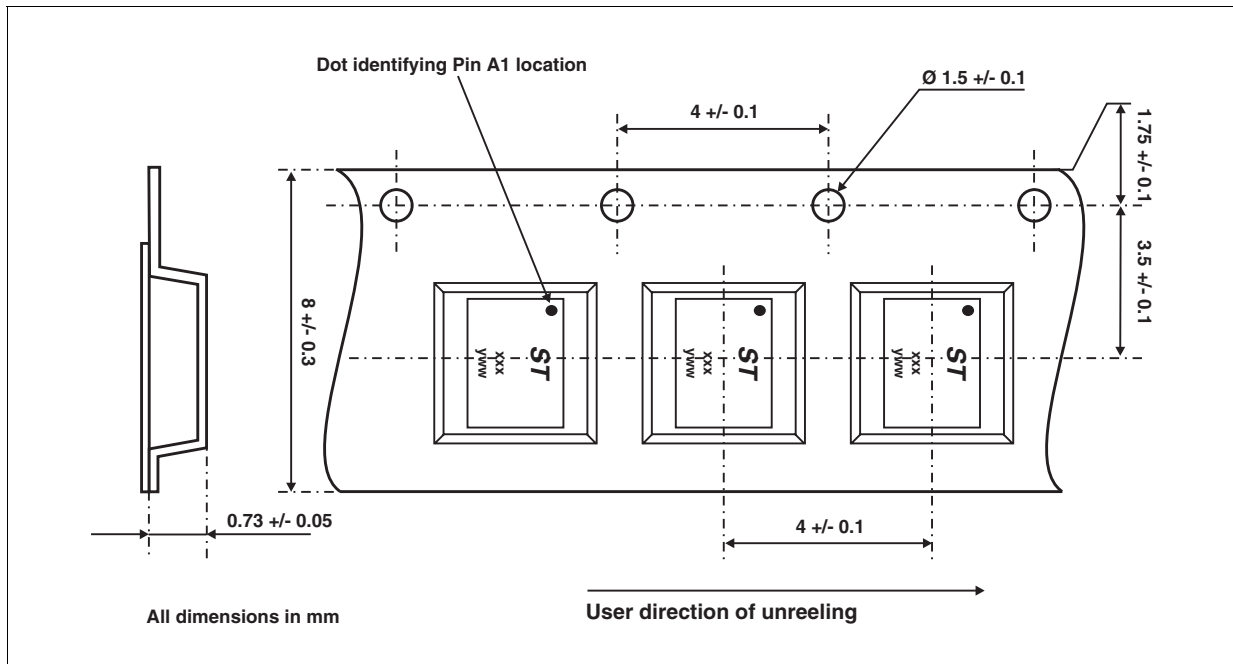


Table 4: Ordering Information

Ordering code	Marking	Package	Weight	Base qty	Delivery mode
EMIF04-VID01C1	GU	Flip-Chip	3.9 mg	5000	Tape & reel 7"

Note: More packing informations are available in the application note
 AN1235: "Flip-Chip: Package description and recommendations for use"
 AN1751: "EMI Filters: Recommendations and measurements"

Table 5: Revision History

Date	Revision	Description of Changes
15-Feb-2005	1	First issue.

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