



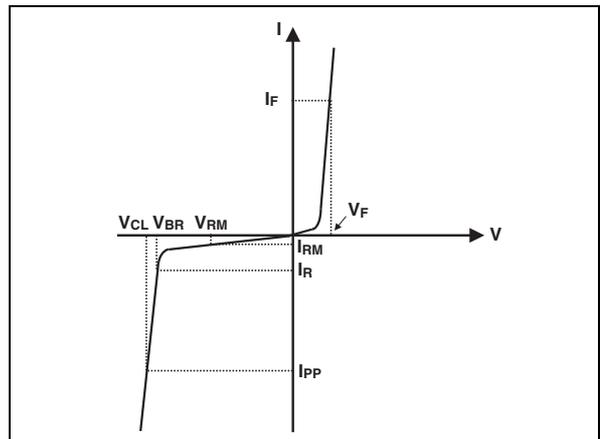
## EMIF03-SIM01F2

**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

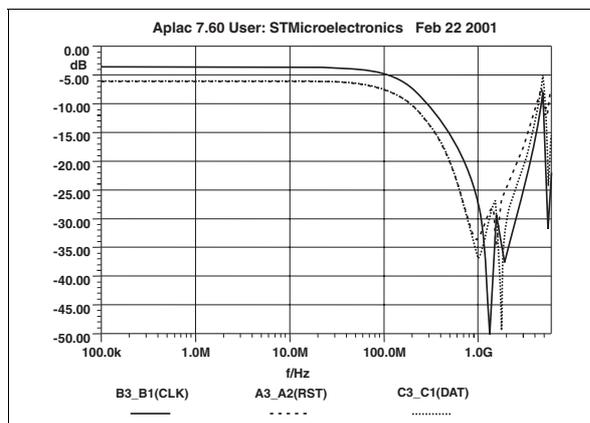
**Table 3: Electrical Characteristics** ( $T_{amb} = 25^\circ\text{C}$ )

Symbol	Parameter
$V_{BR}$	Breakdown voltage
$I_{RM}$	Leakage current @ $V_{RM}$
$V_{RM}$	Stand-off voltage
$V_{CL}$	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.	Typ.	Max.	Unit
$V_{BR}$	$I_R = 1 \text{ mA}$	6			V
$I_{RM}$	$V_{RM} = 3\text{V}$ per line			1	$\mu\text{A}$
$R_d$			1.5		$\Omega$
$R_1$		95	100	105	$\Omega$
$R_2$		44.65	47	49.35	$\Omega$
$R_3$		95	100	105	$\Omega$
$C_{line}$	@ 0V			35	pF

**Figure 3: S21 (dB) attenuation measurement**



**Figure 4: Analog crosstalk measurements**

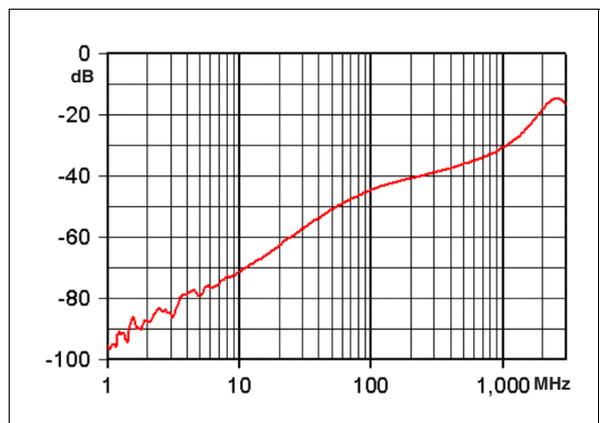


Figure 5: Digital crosstalk measurement

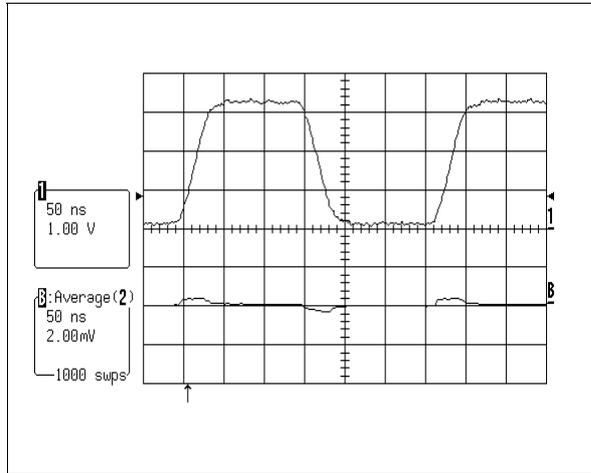


Figure 6: ESD response to IEC61000-4-2 (+15kV air discharge) on one input V(in) and on one output (Vout)

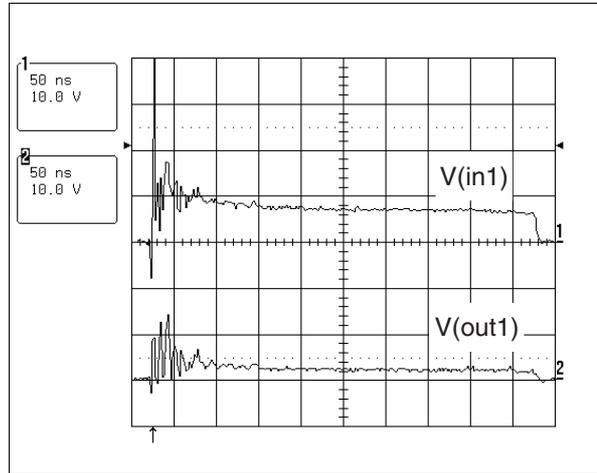


Figure 7: ESD response to IEC61000-4-2 (+15kV air discharge) on one input V(in) and on one output (Vout)

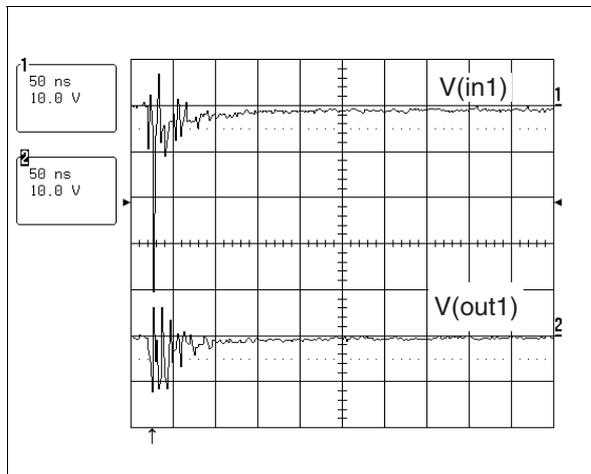
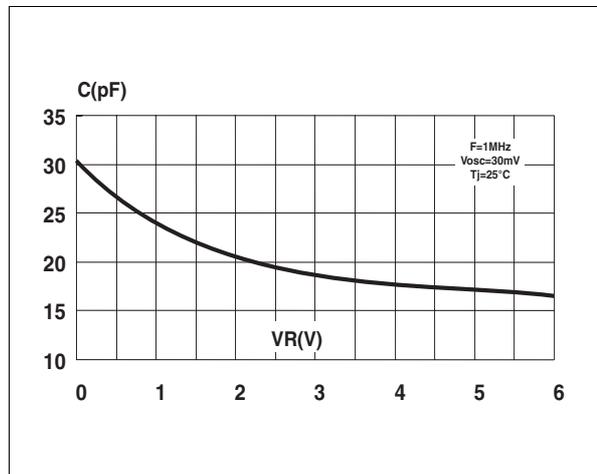


Figure 8: Line capacitance versus applied voltage (typical)



## EMIF03-SIM01F2

Figure 9: Aplac model

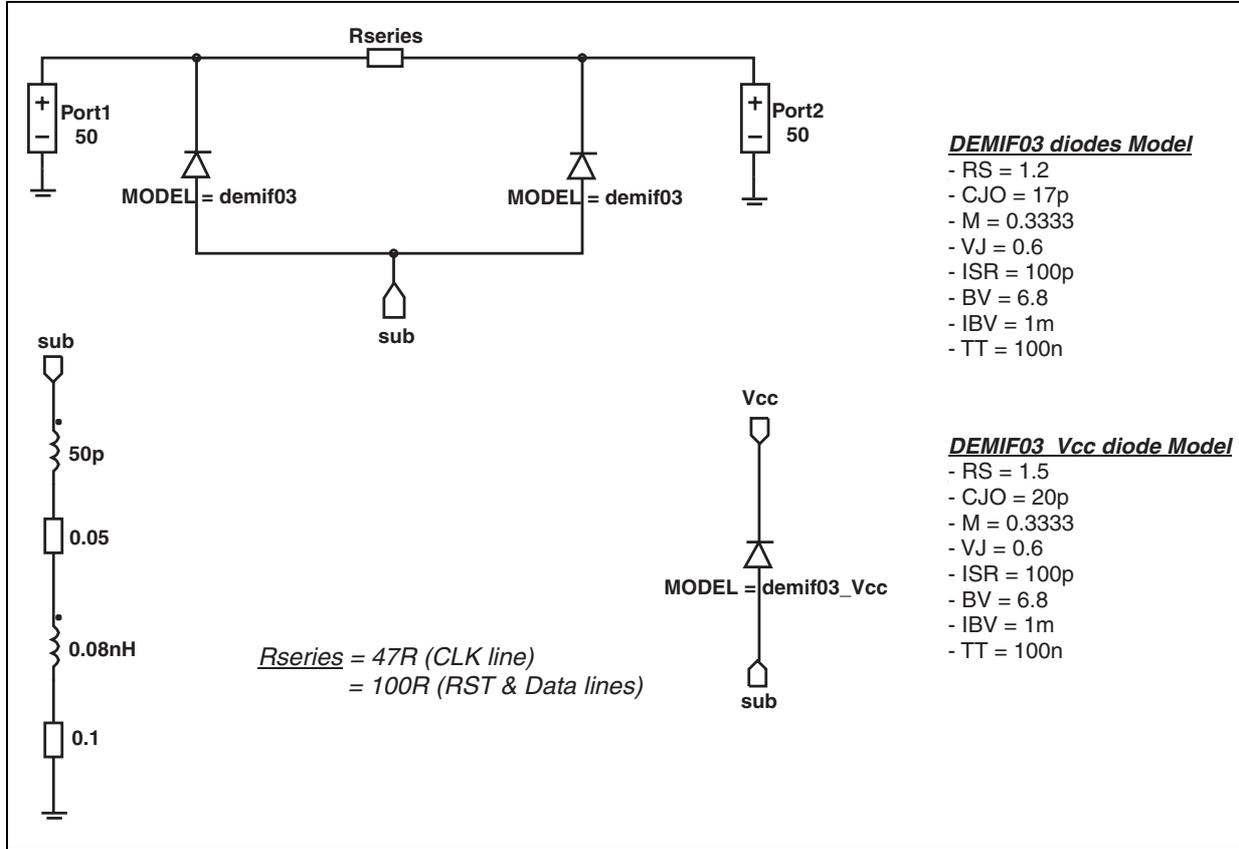


Figure 10: Ordering Information Scheme

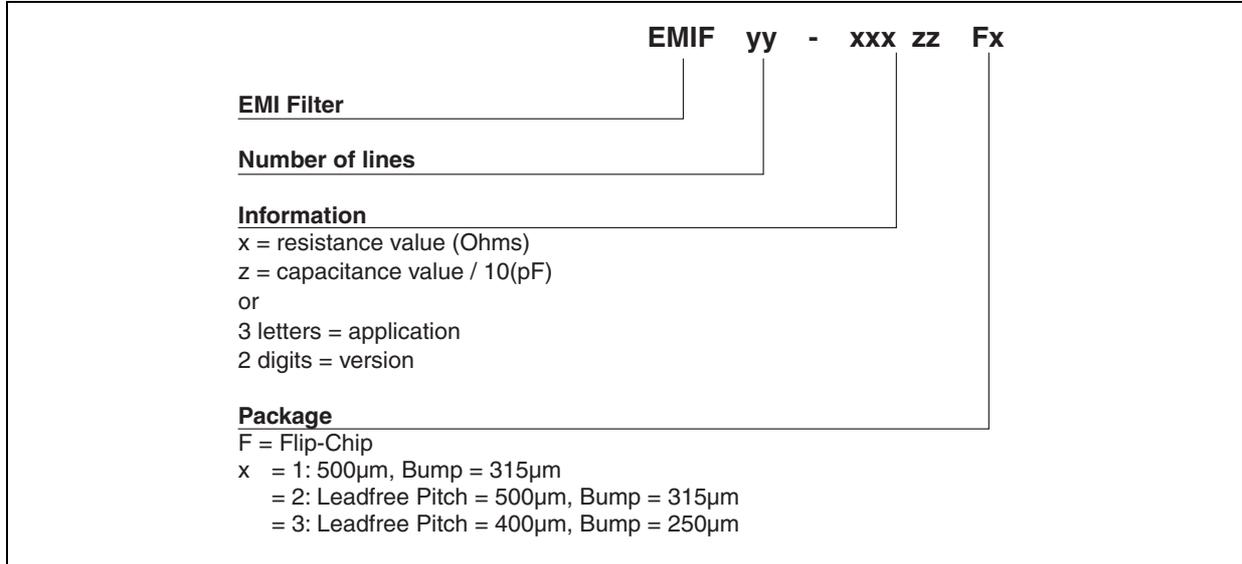


Figure 11: FLIP-CHIP Package Mechanical Data

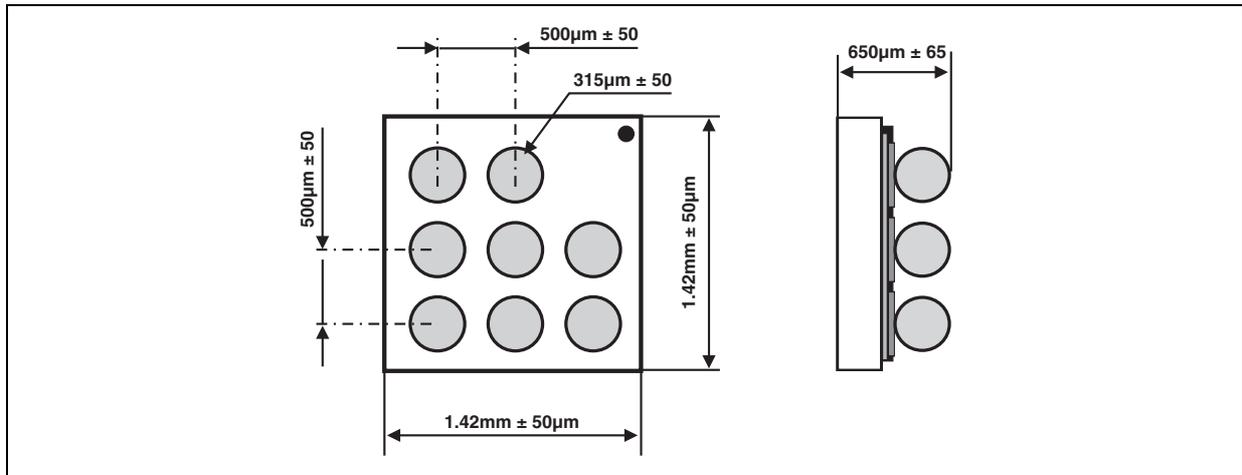


Figure 12: Foot print recommendations

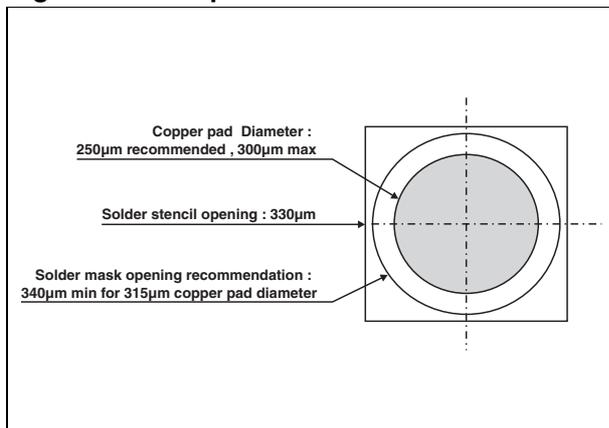
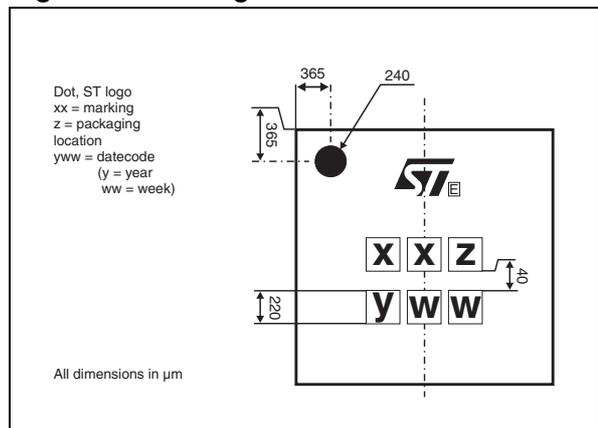


Figure 13: Marking





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