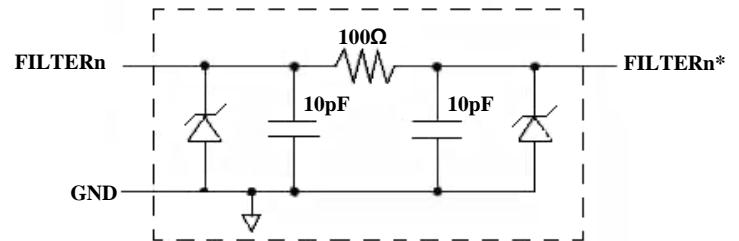
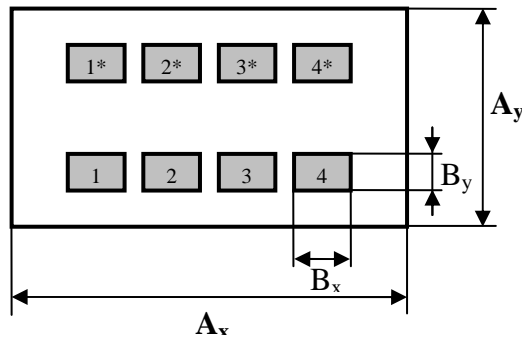


EMI-304M1

4 Channel EMI Filter Array with ESD Protection.



Mechanical date: $A_x=912\mu\text{m}$, $A_y=457\mu\text{m}$.
 $B_x=125\mu\text{m}$, $B_y=75\mu\text{m}$

Schematic and pinning diagram.

Chip thickness: $138\pm 12\mu\text{m}$.

Scribe Line width - $60\mu\text{m}$.

Top Metal: Al – for wire bonding, $d=2.2\pm 0.2\mu\text{m}$.

Back side: Ti-Ni-Ag for soldering.

Back side – GND

Limiting values

Parameter	Symbol	Conditions	Value	Unit
Reverse stand-off voltage	V_{RWM}	-	5	V
Electrostatic Discharge	V_{ESD}	a) IEC 61000-4-2, level 4 b) Human Body Model, MIL-STD-883, Method 3015	+/-8 (Contact); +/-15 (Air). +/-30	kV
Max. junction temperature	T_j	-	125	°C

Characteristics ($T_j=25^\circ\text{C}$)

SYMBOL	PARAMETER	CONDITIONS	MIN.	TYP.	MAX.	UNIT
V_{BR}	Breakdown voltage	$I_R=1\text{mA}$	6.02	-	7.98	V
I_R	Diode reverse leakage current	$V=3\text{V}$	-	-	95	nA
V_f	Diode Forward Voltage	$I_f=10\text{mA}$	-	0.8	1.0	V
R	Resistance	-	83	100	117	Ohm
C_{in}	Capacitance	$V_R=2.5\text{V}$, $f=1\text{MHz}$	16	20	24	pF

*- For Device testing.