



PJ4254FN8C

EMI FILTER ARRAY WITH ESD PROTECTION

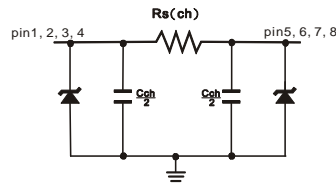
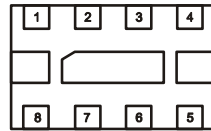
FEATURES

- 4-Channel Integrated π -Type RC Filter
- IEC61000-4-2 Level 4 ESD Protection
- Lead free in comply with EU RoHS 2002/95/EC directives.
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

- Case: DFN1616-8L, plastic
- Terminals: solderable per MIL-STD-750, Method 2026
- Approx. Weight:0.00015 ounces, 0.0042 grams
- Marking : A45

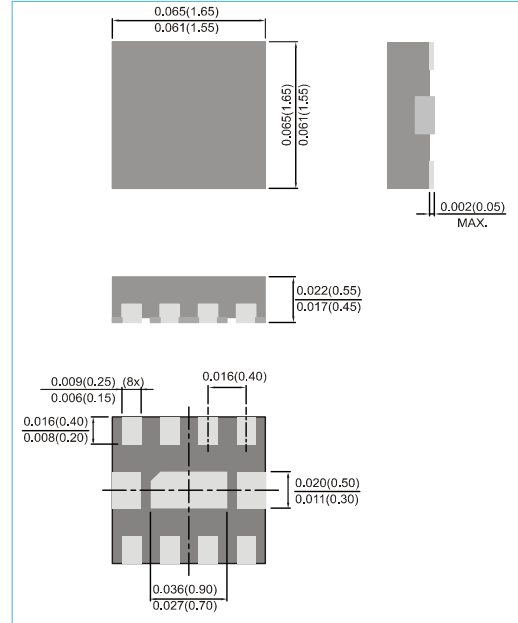
TOP VIEW



PIN	DESCRIPTION
1 and 8	filter channel 1
2 and 7	filter channel 2
3 and 6	filter channel 3
4 and 5	filter channel 4

DFN1616-8L

Unit : inch(mm)



MAXIMUM RATINGS

PARAMETER	SYMBOL	VALUE	UNITS
Reverse Working Voltage	V_{RWM}	5.0	V
Electrostatic Discharge Voltage	Contact Air V_{ESD} V_{ESD}	± 8 ± 15	KV
Operating Junction Temperature and Storage Temperature Range	T_J, T_{STG}	-55 to +150	$^{\circ}C$

ELECTRICAL CHARACTERISTICS

PARAMETER	SYMBOL	CONDITIONS	MIN.	TYP.	MAX.	UNITS
Channel Series Resistance	$R_{S(CH)}$	-	80	100	120	Ω
Reverse Leakage Current	I_R	$V_{BR} = 3.5V$	-	-	0.1	μA
Capacitance(Total Line Capacitance)	C_d	Between I/O lines to GND, $V_R=0V, f=1MHz$	-	50	55	pF
Breakdown Voltage	V_{BR}	$I_{BR}=1mA$	5.8	-	9	V
Forward Voltage	V_F	$I_F=1mA$	-	-	1.5	V
Insertion Loss	α_{il}	$R_{SOURCE}=50 \Omega, R_L=50 \Omega$ $800MHz < f < 2 GHz$	-	12	-	dB
		$R_{SOURCE}=50 \Omega, R_L=50 \Omega$ $f=1 GHz$	-	18	-	
Cut-off frequency	f_{-3dB}	$R_{SOURCE}=50 \Omega, R_L=50 \Omega$ $V_{BIAS(DC)}=0V,$ α_{il} at 1 MHz -3dB	-	110	-	MHz
Crosstalk Attenuation	α_{it}	$R_{SOURCE}=50 \Omega, R_L=50 \Omega$ $800MHz < f < 2 GHz$	-	20	-	dB



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RATING AND CHARACTERISTIC CURVES

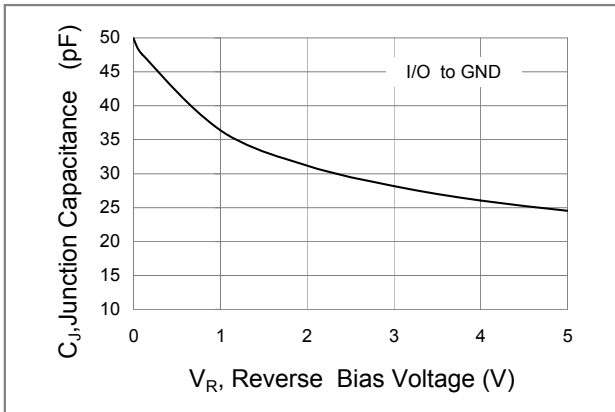


Fig.1 Typical Junction Capacitance

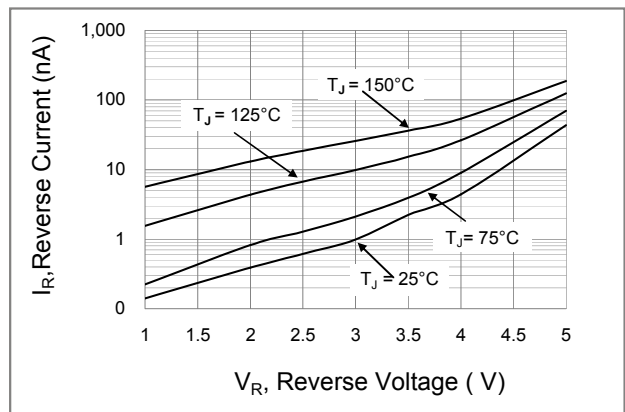


Fig.2 Typical Reverse Characteristics

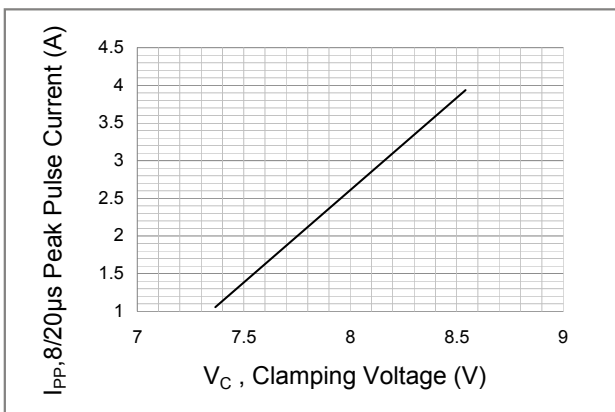


Fig.3 Typical Peak Clamping Voltage

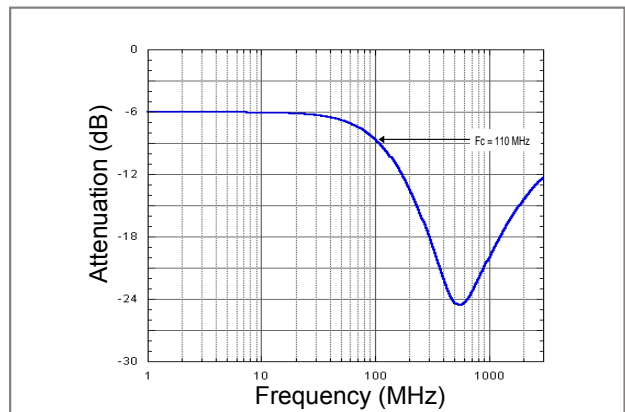
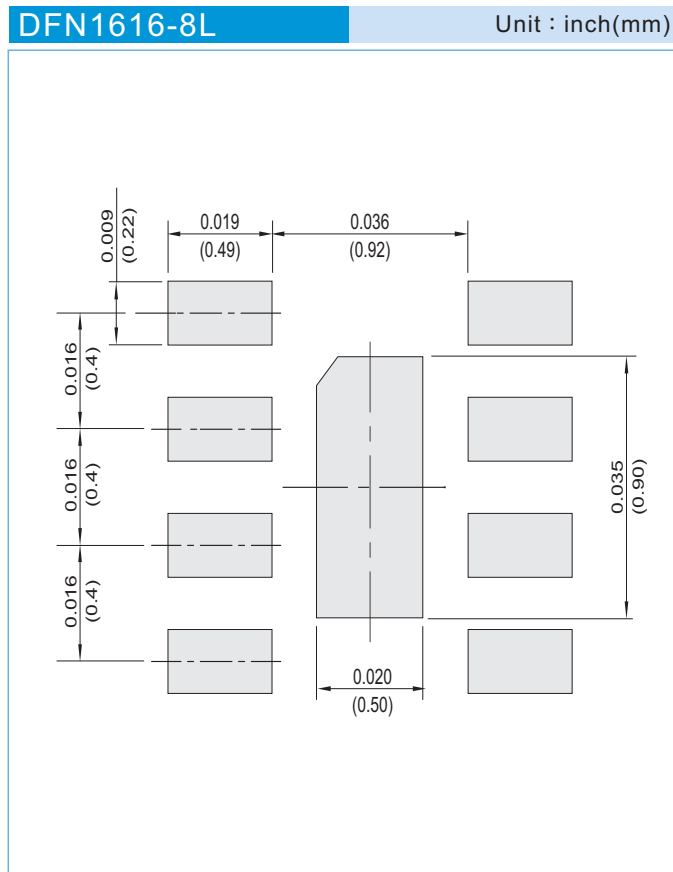


Fig.4 Attenuation VS Frequency



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MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
T/R - 1 per 7" plastic Reel
T/R - 1 per FH plastic Reel

LEGAL STATEMENT

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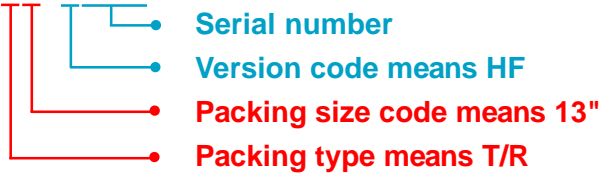


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For example :

RB500V-40_R2_00001

Part No.



Packing Code XX				Version Code XXXXX		
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code
T/B	A	N/A	0	HF	0	serial number
T/R	R	7"	1	RoHS	1	serial number
B/P	B	13"	2			
T/P	T	26mm	X			
TRR	S	52mm	Y			
TRL	L	PBCU	U			
FORMING	F	PBCD	D			

Part No_packing code_Version

PJ4254FN8C_R1_00001

PJ4254FN8C_R2_00001

PJ4254FN8C_00001