

SANYO Semiconductors DATA SHEET

An ON Semiconductor Company

VF15DM3 — 1 Channel EMI Filter with ESD Protection

Features

- EMI Filter 1 channel (fc=300MHz)
- · Contact discharge 13kV guarantee (IEC61000-4-2)
- Small-size 3-pin package (MCPH3: 2.0×2.1mm)

Specifications

Absolute Maximum Ratings at Ta=25°C

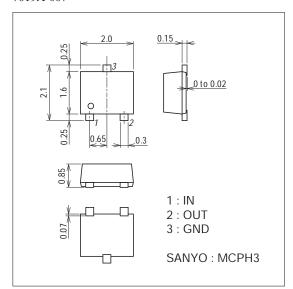
Parameter	Symbol	Conditions	Ratings	Unit
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta=25°C

Parameter	Cumbal	Conditions	Ratings			I I and A
	Symbol		min	typ	max	Unit
Reverse Voltage	VR	I _R =1mA	6		8	V
Reverse Current	IR	V _R =3.3V			1	μΑ
Line Capacitance	С	V _{IN} =0V, f=1MHz		15		pF
Line Resistor	R	I=10mA	80		120	Ω
Cut Off Fequency	fc	V=0V		300		MHz
Electrostatic Breakdown Voltage	V _{ESD}	C=150pF, R=330Ω, Contact discharge (IEC61000-4-2) IN-GND	13			kV

Package Dimensions

unit : mm (typ) 7019A-007



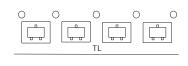
Product & Package Information

• Package : MCPH3

• JEITA, JEDEC : SC82, SC82A, SC88

• Minimum Packing Quantity : 3,000 pcs./reel

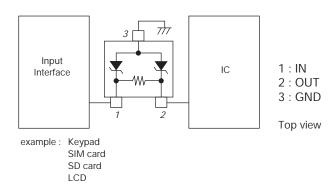
Taping Type: TL



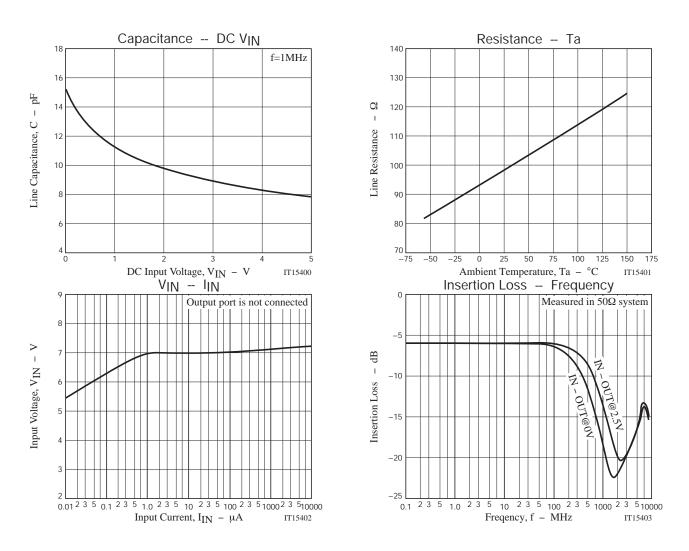


Marking

Application Example



* We recommend using pin-1 as input port.



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