

SANYO Semiconductors DATA SHEET

VF20DUS — 1 Channel EMI Filter with ESD Protection

Features

- EMI Filter 1 channel (fc=240MHz)
- · Contact discharge 15kV guarantee (IEC61000-4-2)
- · Ulta-small thin size package (1.0mm×0.6mm×0.27mm) · Halogen free compliance

Specifications

Absolute Maximum Ratings at Ta=25°C

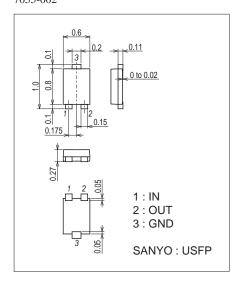
Parameter	Symbol	Conditions	Ratings	Unit
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	UIII
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		20		pF
Line Resistor	R	I=10mA	80		120	Ω
Cut Off Fequency	fc	V=0V		240		MHz
Electrostatic Breakdown Voltage	V _{ESD}	C=150pF, R=330Ω, Contact discharge (IEC61000-4-2)	15			kV
		IN-GND				KV

Package Dimensions

unit: mm (typ) 7055-002



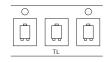
Product & Package Information

• Package : USFP

• JEITA, JEDEC : -

• Minimum Packing Quantity : 10,000 pcs./reel

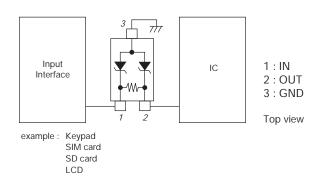
Taping Type: TL



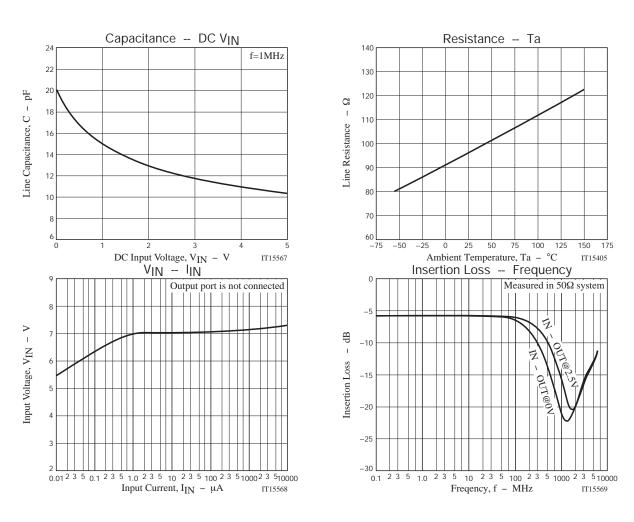


Marking

Application Example



* We recommend using pin-1 as input port.



VF20DUS

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