



ESGD100

X Band, Mixer, Modulator Applications

Features

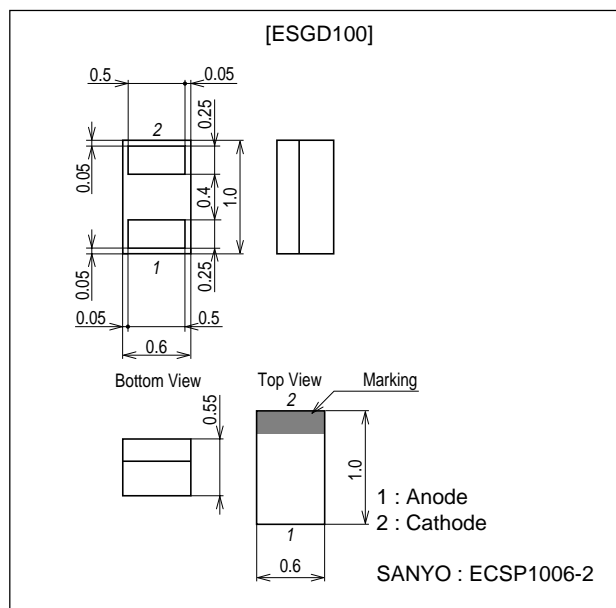
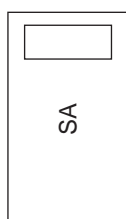
- Environmentally-considered chip scale package.
- Less parasitic components, conversion loss.

Package Dimensions

unit : mm

1321A

Type No. Indication(Top view)



Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V_{RM}		4.5	V
Reverse Voltage	V_R		4.0	V
Peak Forward Current	I_{FM}		150	mA
Average Rectified Current	I_O		50	mA
Junction Temperature	T_J		150	°C
Operating Temperature	T_{opr}		-40 to +85	°C
Storage Temperature	T_{stg}		-55 to +150	°C
Mounting Temperature	T_m	10s	230	°C

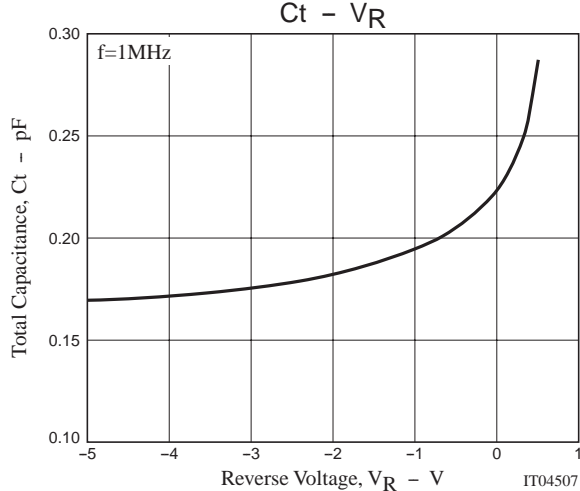
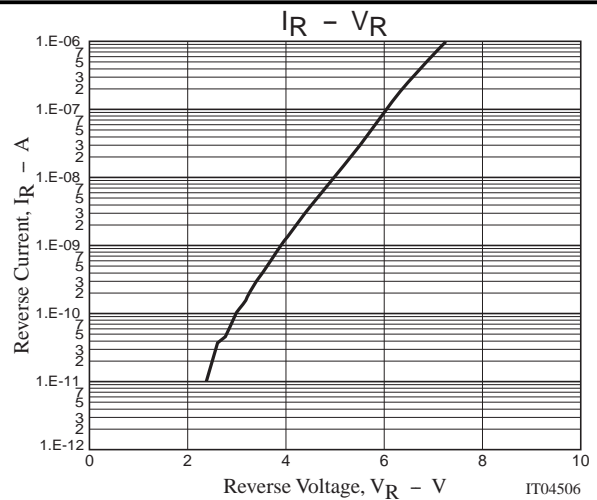
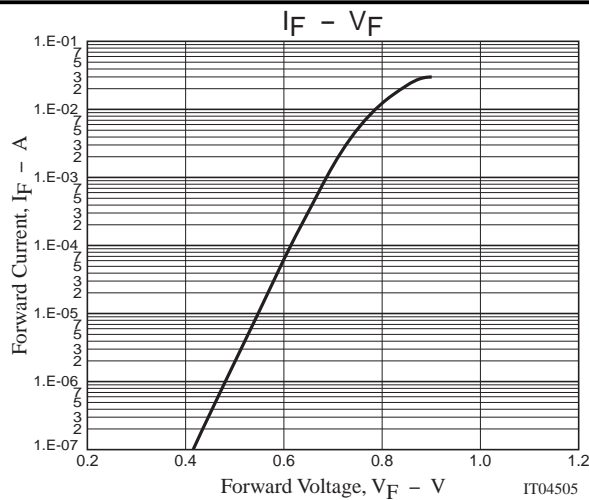
Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V _F	I _F =20mA		0.8	1.0	V
Reverse Voltage	V _R	I _R =10μA	4.0			V
Interterminal Capacitance	C _t	V _R =0, f=1MHz		0.22	0.32	pF
Series Resistance	R _s	I _F =20mA		1.5	3.5	Ω

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