



# X Band, Mixer, Modulator Applications

### **Features**

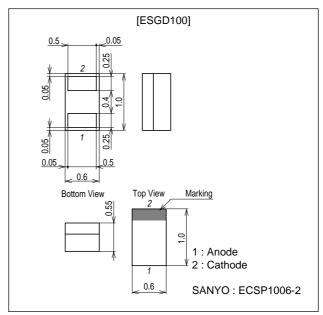
- · Environmentally-considered chip scale package.
- · Less parasitic components, conversion loss.

#### Type No. Indication(Top view)



### **Package Dimensions**

unit : mm 1321A



## **Specifications**

#### Absolute Maximum Ratings at Ta=25°C

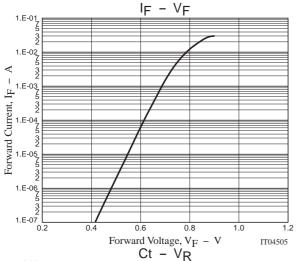
Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	VRM		4.5	V
Reverse Voltage	VR		4.0	V
Peak Forward Current	IFM		150	mA
Average Rectified Current	lo		50	mA
Junction Temperature	Tj		150	°C
Operating Temperature	Topr		-40 to +85	°C
Storage Temperature	Tstg		-55 to +150	°C
Mounting Temperature	Tm	10s	230	°C

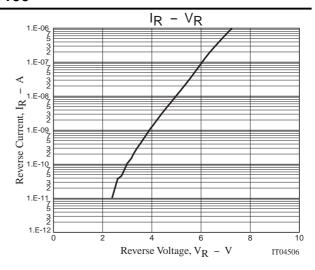
### Electrical Characteristics at Ta=25°C

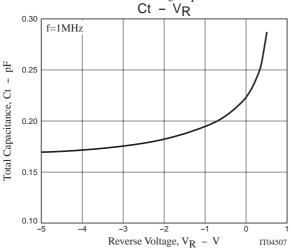
Parameter	Symbol	Conditions	Ratings			Unit
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Forward Voltage	٧F	IF=20mA		0.8	1.0	V
Reverse Voltage	٧R	I <sub>R</sub> =10μA	4.0			V
Interterminal Capacitance	Ct	V <sub>R</sub> =0, f=1MHz		0.22	0.32	pF
Series Resistance	Rs	IF=20mA		1.5	3.5	Ω

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### ESGD100







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