

Features

- Low forward voltage drop
- Small surface mounting type (DFN1006)
- Matte Tin (Sn) lead finish
- Band indicates cathode
- Weight: approx. 0.001g



DFN1006



Schematic Diagram

Absolute Maximum Ratings

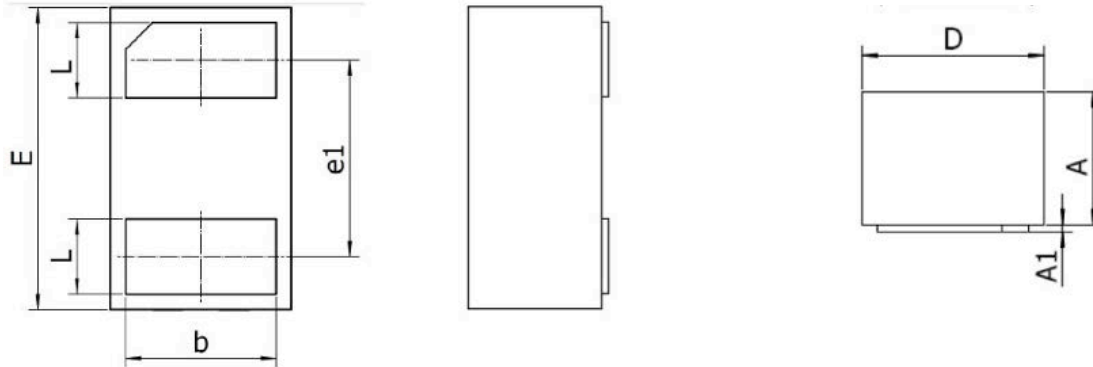
(T_A=25°C unless otherwise specified)

Parameter	Symbol	Value	Unit
DC Reverse Voltage	V _R	30	V
Average Forward Current	I _{F(AV)}	200	mA
Peak Forward Surge Current @ 8.3ms Single Half Sine-Wave	I _{FSM}	0.5	A
Power Dissipation	P _D	150	mW
Operating Junction Temperature	T _J	+125	°C
Storage Temperature Range	T _{STG}	-55 to +125	°C

Electrical Characteristics (T_A=25°C unless otherwise specified)

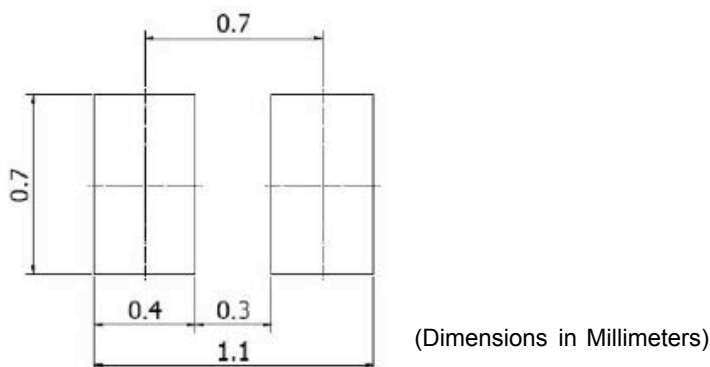
Parameter	Symbol	Test Condition	Value		Unit
			Min	Max	
Reverse Leakage Current	I _R	V _R =10V	-	1	μA
Forward Voltage	V _F	I _F =10mA	-	0.45	V
		I _F =200mA	-	0.60	V

Package Outline Dimensions (DFN1006)



DIM	Dimensions in Millimeters		Dimensions in Inches	
	Min	Max	Min	Max
A	0.46	0.50	0.018	0.020
A1	-	0.03	-	0.001
b	0.45	0.55	0.018	0.022
D	0.55	0.65	0.022	0.026
E	0.95	1.05	0.037	0.041
e1	Typ. 0.65		Typ. 0.026	
L	0.20	0.30	0.008	0.012

Recommended Pad Layout



Order Information

Device	Package	Marking	Carrier	Quantity
GSRB520E-30	DFN1006	E	Tape & Reel	10,000 pcs