

RoHS Compliant Product  
A suffix of "-C" specifies halogen & lead-free

## FEATURES

- Low Current Rectification
- Low Forward Voltage

DFN1006

## MARKING



## PACKAGE INFORMATION

Package	MPQ	Leader Size
DFN1006	10K	7 inch

## ORDER INFORMATION

Part Number	Type
SCS521DF-C	Lead (Pb)-free and Halogen-free



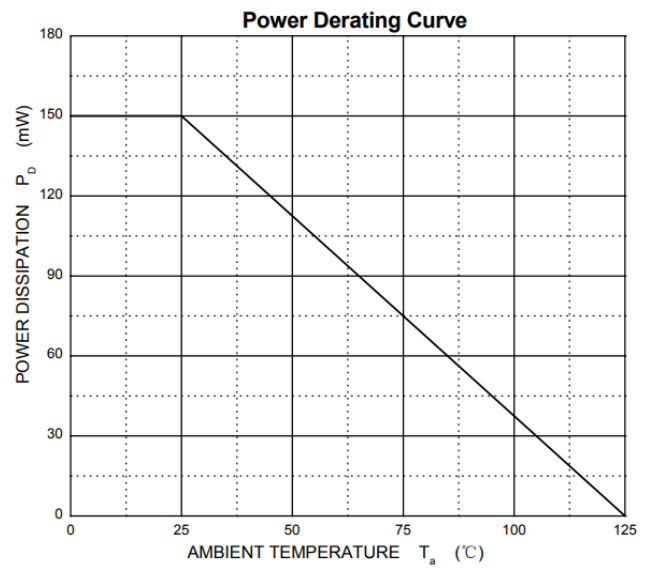
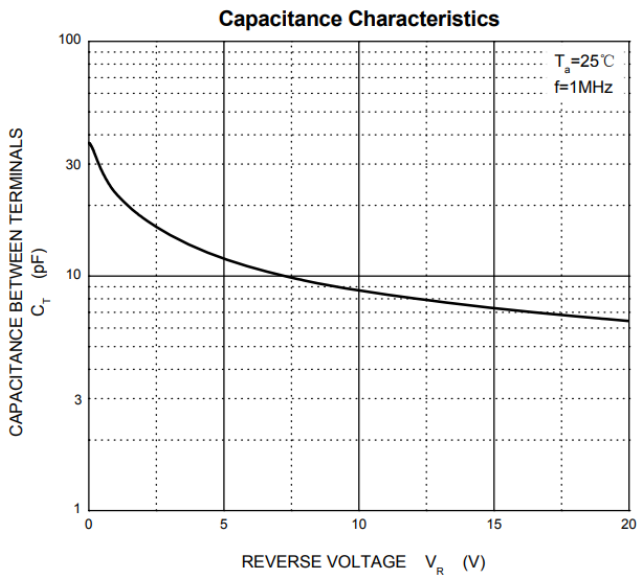
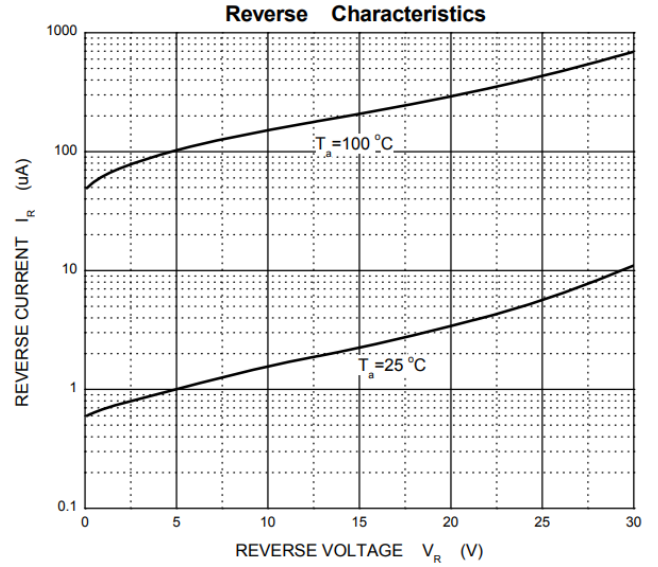
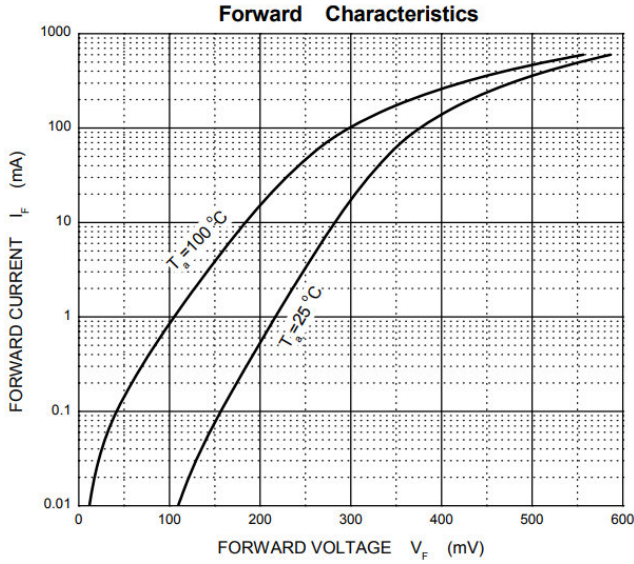
## MAXIMUM RATINGS (T<sub>A</sub>=25°C unless otherwise specified)

Parameter	Symbol	Ratings	Unit
Reverse Voltage	V <sub>R</sub>	30	V
Power Dissipation	P <sub>D</sub>	150	mW
Average Rectified Output Current	I <sub>O</sub>	200	mA
Non-Repetitive Peak Forward Current @t=8.3ms	I <sub>FSM</sub>	500	
Junction&Storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	125, -55~125	°C

## ELECTRICAL CHARACTERISTICS (T<sub>A</sub>=25°C unless otherwise specified)

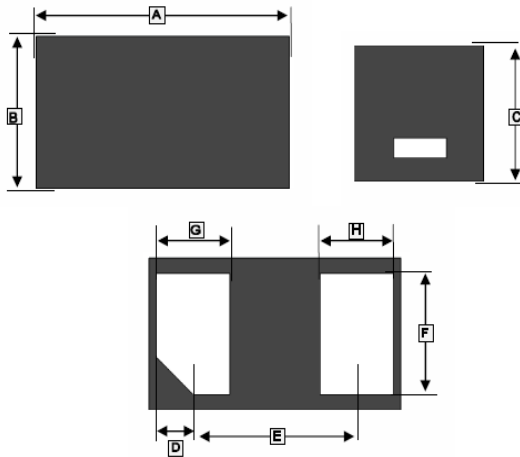
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Forward Voltage	V <sub>F</sub>	-	-	0.35	V	I <sub>F</sub> =10mA
		-	-	0.5		I <sub>F</sub> =200mA
Reverse Voltage	V <sub>R</sub>	30	-	-	V	I <sub>R</sub> =100μA
Peak Reverse Current	I <sub>R</sub>	-	-	30	μA	V <sub>R</sub> =10V

**RATINGS AND CHARACTERISTIC CURVES**



**PACKAGE OUTLINE DIMENSIONS**

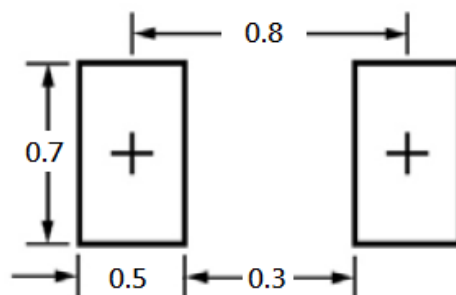
DFN1006



REF.	Millimeter	
	Min.	Max.
A	0.90	1.10
B	0.48	0.70
C	0.32	0.55
D	0.10 TYP.	
E	0.65 BSC.	
F	0.20	0.60
G	0.15	0.55
H	0.15	0.55

**MOUNTING PAD LAYOUT**

DFN1006



\*Dimensions in millimeters