

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

FEATURES

- Small Surface Mounting Type
- Low Reverse Current and Low Forward Voltage
- High Reliability

APPLICATION

- High Speed Switching For Detection
- For Portable Equipment: (i.e. Mobile Phone, MP3, MD, CD-ROM, DVD-ROM, Notebook PC, etc.)

MARKING

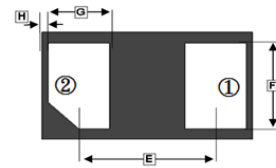


Top View

DFN0201



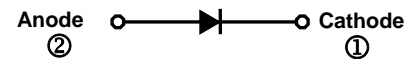
Cathode Band



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	0.55	0.67	E	0.35	0.44
B	0.25	0.37	F	0.20	0.35
C	0.27	0.34	G	0.12	0.23
D	0.05 REF.		H	0.03 REF.	

PACKAGE INFORMATION

Package	MPQ	Leader Size
DFN0201	10K	7 inch



ORDER INFORMATION

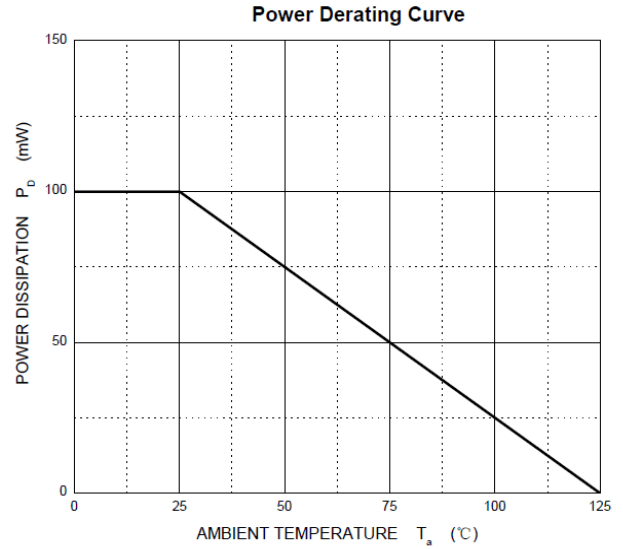
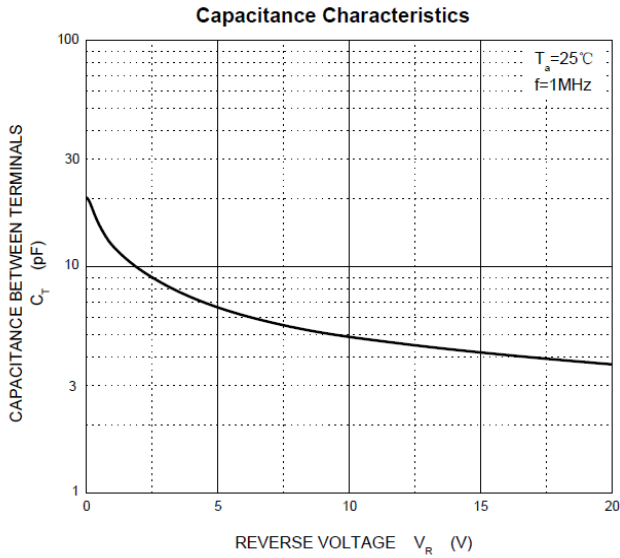
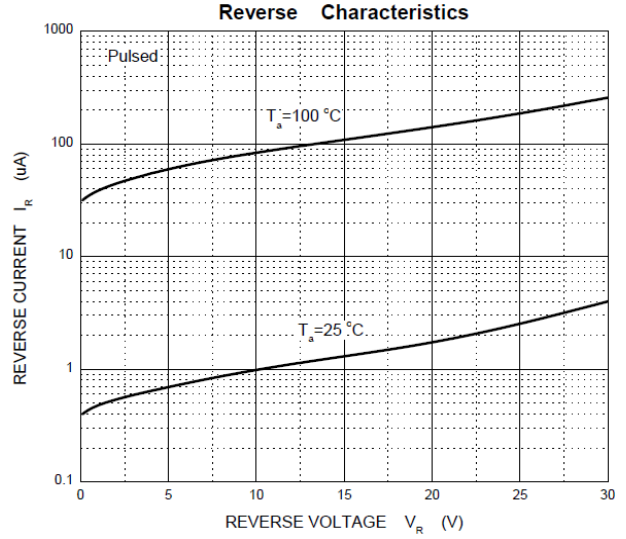
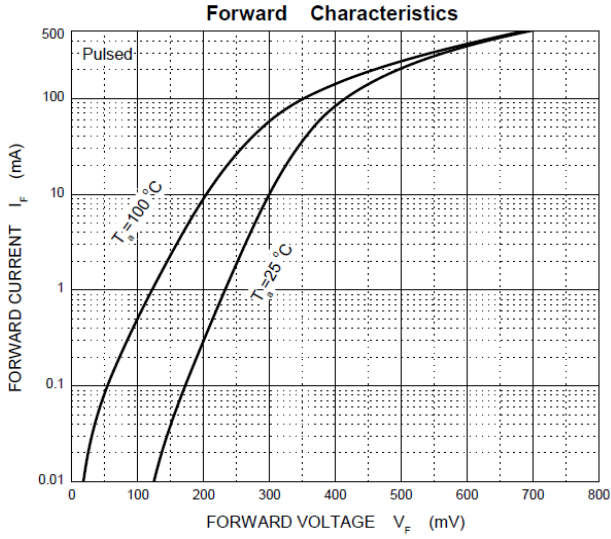
Part Number	Type
SCS520DZ-C	Lead (Pb)-free and Halogen-free

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

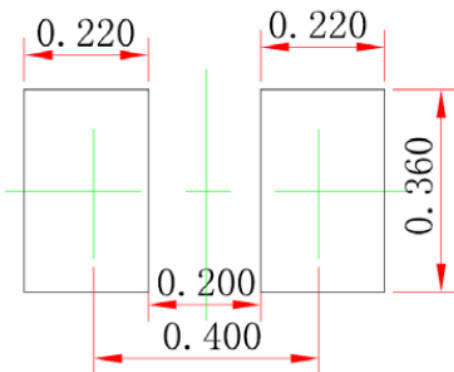
(Rating 25°C ambient temperature unless otherwise specified. Single phase half wave, 60Hz, resistive or inductive load.
For capacitive load, de-rate current by 20%.)

Parameter	Symbol	Rating	Unit
DC Reverse Voltage	V_R	30	V
Mean rectifying current	I_o	100	mA
Peak Forward Surge Current, 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	500	mA
Maximum Instantaneous Forward Voltage @ $I_F=10mA$	V_F	0.46	V
Maximum DC Reverse Current @ $V_R=10V$	I_R	0.3	μA
Operating Temperature Range	T_J	125	°C
Storage Temperature Range	T_{STG}	-50~150	

TYPICAL CHARACTERISTICS



Mounting Pad Layout



*Dimensions in millimeters