

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, Note book PC, etc.)

MARKING

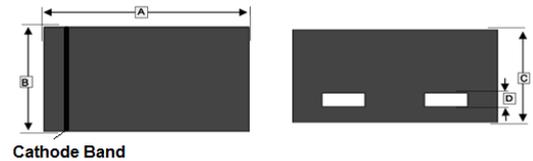


TOP VIEW

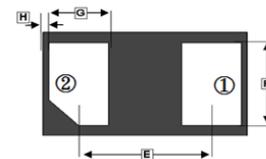
PACKAGE INFORMATION

Package	MPQ	Leader Size
DFN0201	10K	7 inch

DFN0201



Cathode Band



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	0.57	0.67	E	0.36	0.44
B	0.27	0.37	F	0.22	0.30
C	0.27	0.34	G	0.12	0.20
D	0.05 REF.		H	0.03 REF.	

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
Repetitive Peak Reverse Voltage	V_{RRM}	30	V
Working Peak Reverse Voltage	V_{RWM}	30	V
RMS Reverse Voltage	$V_{R(RMS)}$	21	V
Mean rectifying current	I_O	100	mA
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	500	mA
Power Dissipation	P_D	100	mW
Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	1000	°C / W
Operating and Storage Temperature Range	T_J, T_{STG}	125, -50~150	°C

ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ unless otherwise specified)

Parameters	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Reverse breakdown voltage	$V_{(BR)}$	30	-	-	V	$I_R = 50\mu\text{A}$
Forward Voltage	V_F	-	-	0.38	V	$I_F = 10\text{mA}$
		-	-	0.8		$I_F = 100\text{mA}$
Reverse current	I_R	-	-	10	μA	$V_R = 10\text{V}$
		-	-	50		$V_R = 30\text{V}$

RATINGS AND CHARACTERISTIC CURVES

