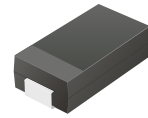


## CDBA220L-G Thru. CDBA240LL-G

**Forward Current: 2.0A**  
**Reverse Voltage: 20~40V**  
**RoHS Device**

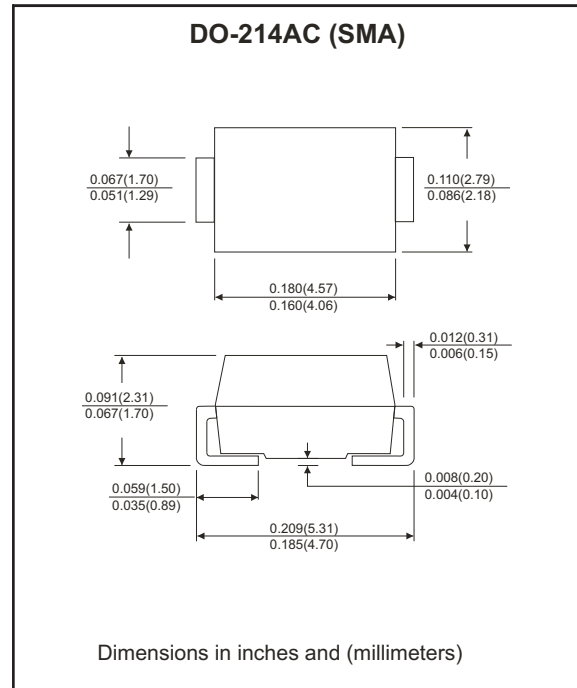


### Features

- Ideally for surface mount applications.
- Easy pick and place.
- Plastic package has Underwriters Lab. flammability classification 94V-0.
- Built-in strain relief.
- Super low forward voltage drop.

### Mechanical Data

- Case: JEDEC DO-214AC molded plastic.
- Terminals: solderable per MIL-STD-750, method 2026.
- Polarity: Color band denotes cathode end.
- Approx. Weight: 0.063 grams.



### Maximum Ratings and Electrical Characteristics

(at TA=25 °C unless otherwise noted)

Parameter	Symbol	CDBA220L-G	CDBA220LL-G	CDBA240L-G	CDBA240LL-G	Unit
Max. repetitive peak reverse voltage	$V_{RRM}$	20	20	40	40	V
Max. DC blocking voltage	$V_{DC}$	20	20	40	40	V
Max. RMS voltage	$V_{RMS}$	14	14	28	28	V
Peak surge forward current, 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	$I_{FSM}$	50				A
Max. average forward current	$I_o$	2.0				A
Max. instantaneous forward current at 2.0A	$V_F$	0.38	0.34	0.40	0.36	V
Max. DC reverse current at $T_A=25\text{ }^{\circ}\text{C}$ rated DC blocking voltage $T_A=80\text{ }^{\circ}\text{C}$	$I_R$	1.0 40				mA
Max. thermal resistance (Note 1)	$R_{\theta JA}$ $R_{\theta JA}$	75 17				$^{\circ}\text{C/W}$
Max. operating junction temperature	$T_J$	125				$^{\circ}\text{C}$
Storage temperature range	$T_{STG}$	-50 ~ +150				$^{\circ}\text{C}$

Note1: Thermal resistance from junction to ambient and junction to lead P.C.B. mounted on 0.2x0.2 inch copper pad areas.

## ELECTRICAL CHARACTERISTIC CURVES (CDSV6-756-G)

Fig.1 Reverse Characteristics

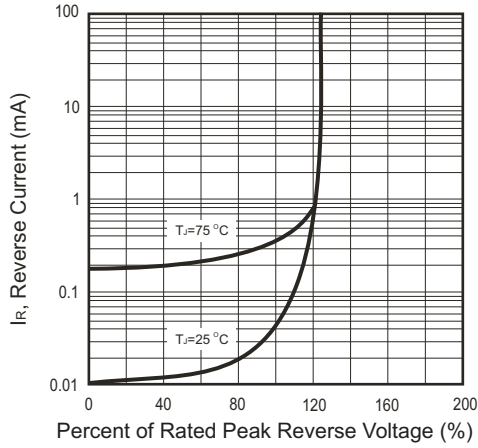


Fig.2 Forward Characteristics

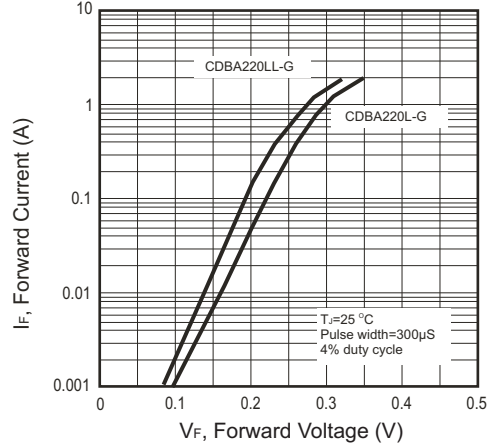


Fig.3 Junction Capacitance

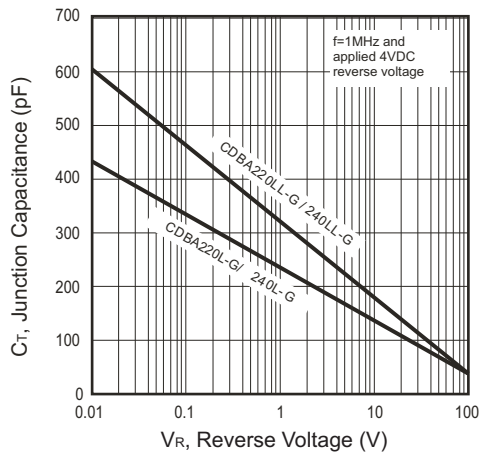


Fig.4 Forward Characteristics

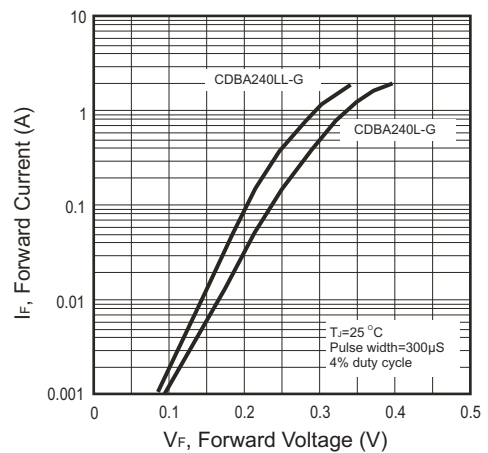


Fig.5 Non-Repetitive Forward Surge Current

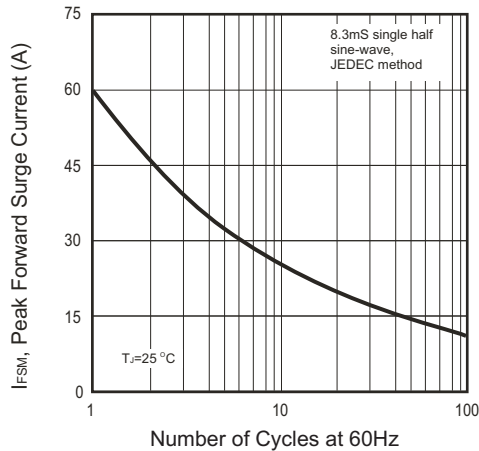


Fig.6 Current Derating Curve

