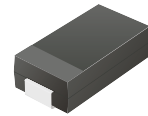


CDBA220L-G Thru. CDBA240LL-G

Forward Current: 2.0A

Reverse Voltage: 20~40V

RoHS Device

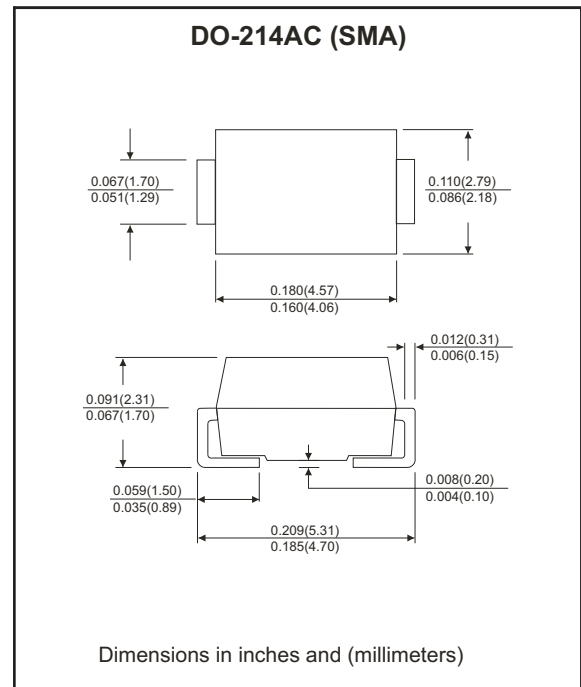


Features

- 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 $T_A=25^\circ\text{C}$ 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 $T_A=25^\circ\text{C}$ rated DC blocking voltage $T_A=80^\circ\text{C}$	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 0.2×0.2 inch copper pad areas.

ELECTRICAL CHARACTERISTIC CURVES (CDSV6-756-G)

Fig.1 Reverse Characteristics

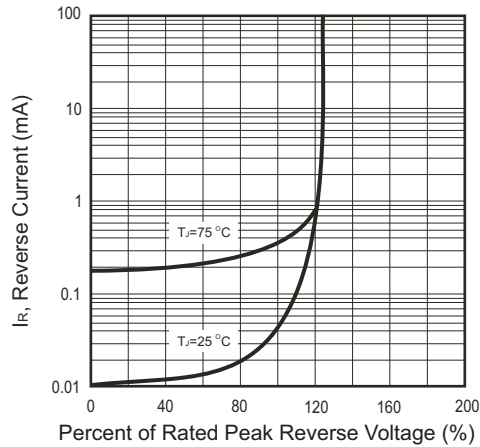


Fig.2 Forward Characteristics

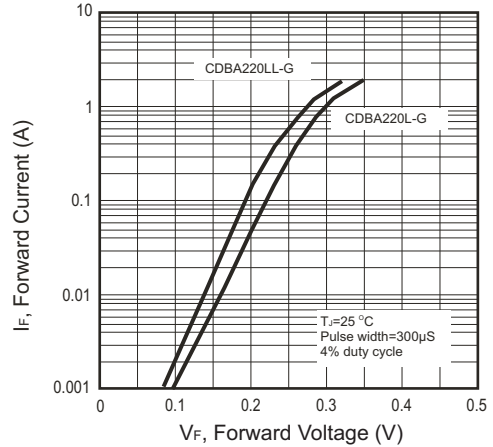


Fig.3 Junction Capacitance

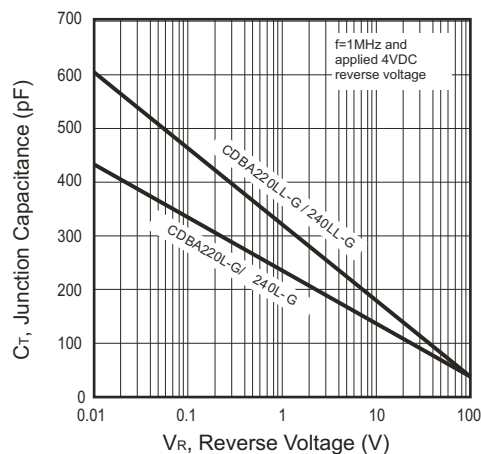


Fig.4 Forward Characteristics

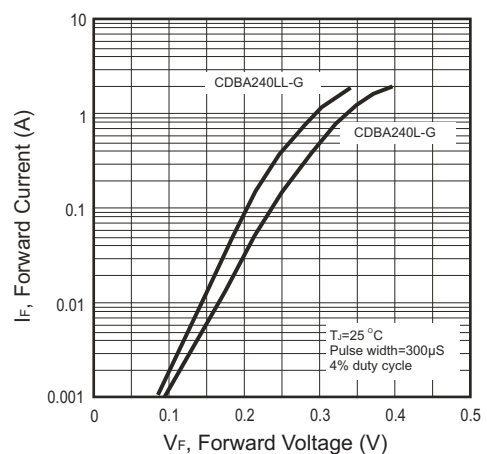


Fig.5 Non-Repetitive Forward Surge Current

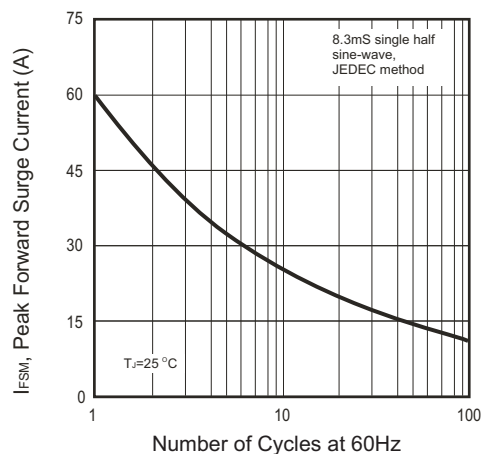


Fig.6 Current Derating Curve

