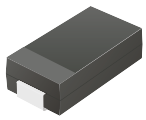
Low VF SMD Schottky Barrier Rectifiers

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

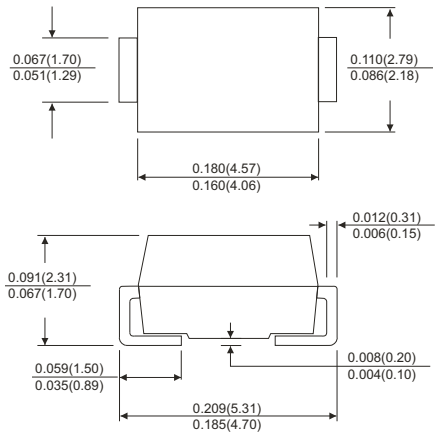
-Case: JEDEC DO-214AC molded plastic.

-Terminals: solderable per MIL-STD-750, method 2026.

-Polarity: Color band denotes cathode end.

-Approx. Weight: 0.063 grams.

DO-214AC (SMA)



Dimensions in inches and (millimeters)

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 °C rated DC blocking voltage T_A=80 °C	I_R	1.0 40				mA
Max. thermal resistance (Note 1)	$R_{\theta JA}$ $R_{\theta JA}$	75 17				°C/W
Max. operating junction temperature	T_J	125				°C
Storage temperature range	T_{STG}	-50 ~ +150				°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.

Company reserves the right to improve product design , functions and reliability without notice.

ELECTRICAL CHARACTERISTIC CURVES (CDBA220L-G Thru. CDBA240LL-G)

Fig.1 - Reverse Characteristics

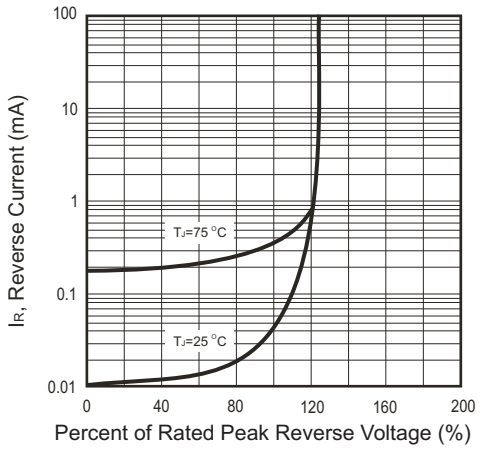


Fig.2 - Forward Characteristics

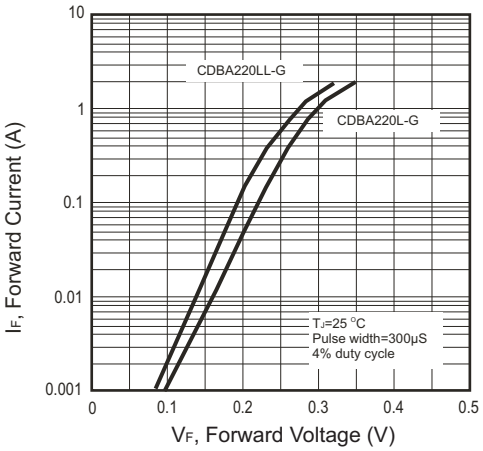


Fig.3 - Junction Capacitance

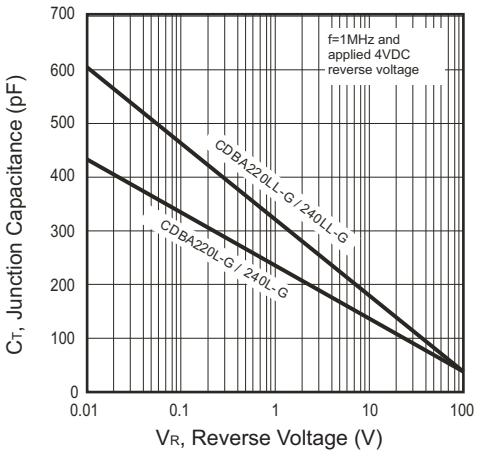


Fig.4 - Forward Characteristics

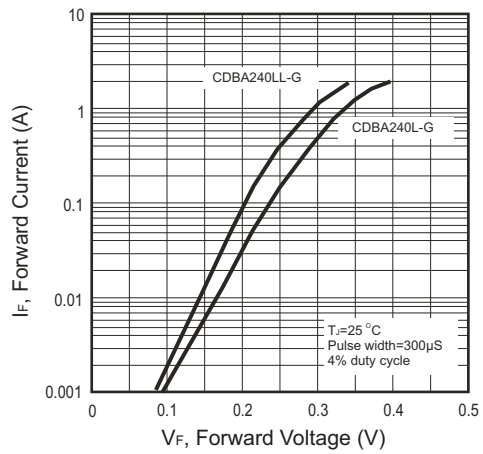


Fig.5 - Non-Repetitive Forward Surge Current

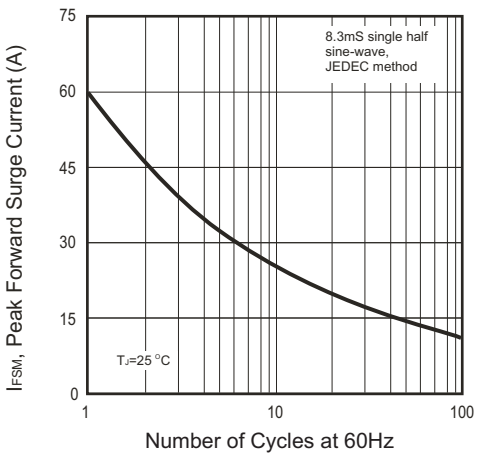
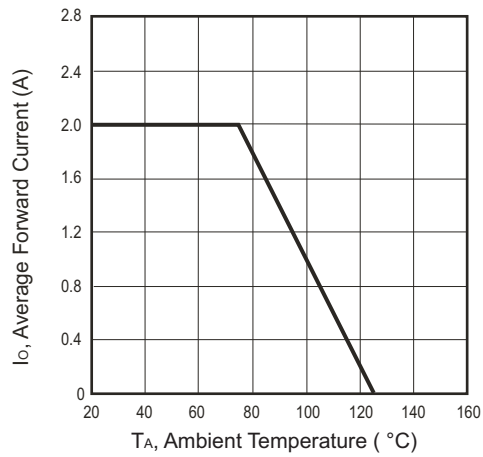


Fig.6 - Current Derating Curve



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