

CDBA120L thru CDBA140SL

Voltage: 20V - 40V

Forward Current: 1.0 Amp



Features

Ideal for surface mount applications

Easy pick and place

Built-in strain relief

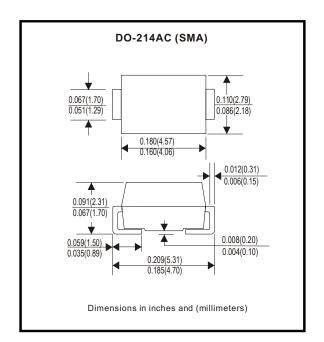
Super low forward voltage drop

Mechanical Data

Case: Molded plastic

Epoxy: UL 94-0 rate flame retardant Metallurgically bonded construction Polarity: Color band denotes cathode end

Mounting position: Any **Weight:** 0.063g



Maxium Ratings and Electrical Characteristics

Rating 25 ambient temperature unless otherwise specified Single phase half wave, 60Hz, resistive or include load.

For capacitive load, derate current by 20%

TYPE NUMBER	CDBA120L	CDBA120LL	CDBA120SL	CDBA140L	CDBA140LL	CDBA140SL	UNITS
Maximum Recurrent Peak Reverse Voltage	20	20	20	40	40	40	V
Maximum RIVS Voltage	14	14	14	28	28	28	V
Maximum DC Blocking Voltage	20	20	20	40	40	40	V
Maximum Average Forward Rectified Current	1.0						Α
Peak Forward Surge Current, 8.3 ms single half sine- wave superimposed on rated load (JEDEC method)	35						Α
Maximum Instant aneous Forward Voltage at 1.0A	0.4	0.37	0.31	0.38	0.34	0.31	V
Maximum DCReverse Current $Ta = 25^{\circ}C$ at Rated DC Blocking Voltage $Ta = 80^{\circ}C$	1.0 40						mA
Operating Temperature Range T _J	-25 to +80						°C
Storage Temperature Range T _{STG}	-50 to +125						°C



RATING AND CHARACTERISTIC CURVES (CDBA120L THRU CDBA140SL)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

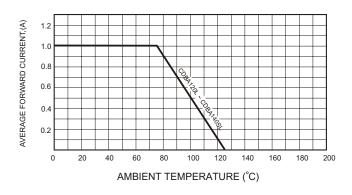


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

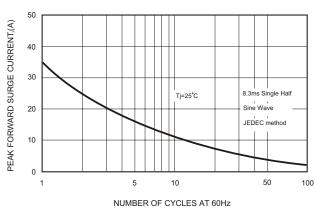


FIG.3-TYPICAL JUNCTION CAPACITANCE

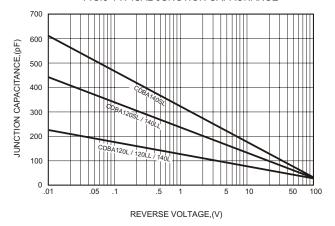
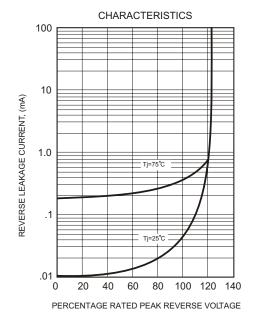


FIG.4 - TYPICAL REVERSE





CDBA120L thru CDBA140SL

FIG. 5 (For CDBA120L)

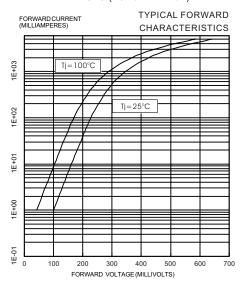


FIG. 6 (For CDBA120LL)

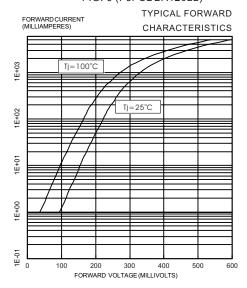


FIG. 7 (For CDBA120SL)

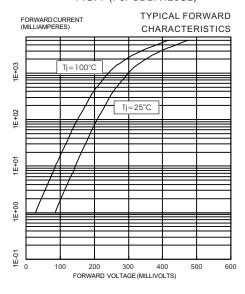
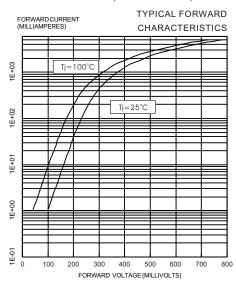


FIG. 8 (For CDBA140L)





CDBA120L thru CDBA140SL

FIG. 9 (For CDBA140LL)

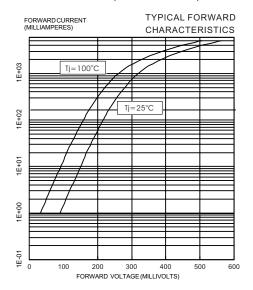


FIG. 10 (For CDBA140SL)

