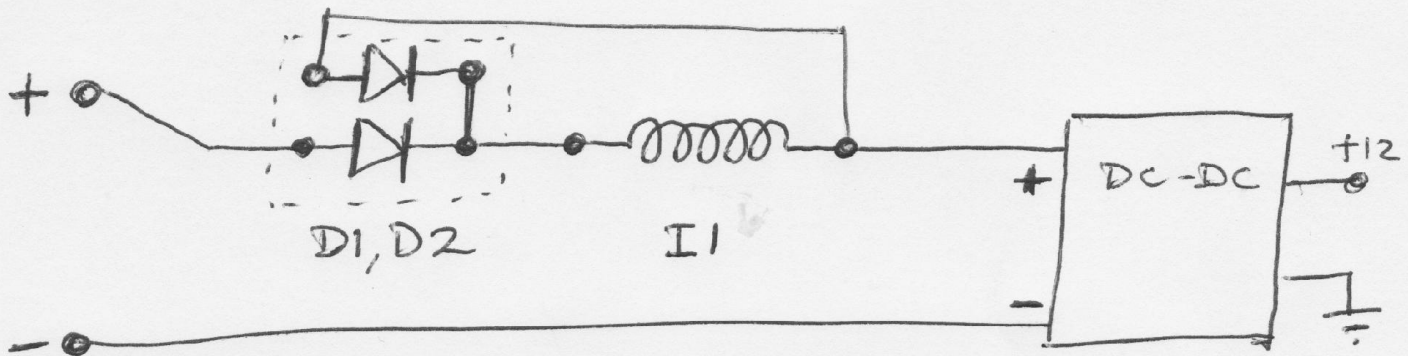


HIGH VOLTAGE CONNECTION TO DC-DC CONVERTER



D1, D2: STTH10002TV1 (ST BRAND)

ELEMENT 14 # 1295225

(2 DIODES IN ONE PACKAGE)

THIS UNIT HAS BUILT IN MOUNTING
PLATE

I1: BOURNS 1140-101K-RC
100 μ H INDUCTOR (CHOKE)

ELEMENT 14 # 1704099

NOTE: MOUNTED ON CUSTOM
ALUMINIUM PLATE
FOR EASE OF MOUNTING.

D1 PREVENTS THE DC-DC CONVERTER
FROM FEEDING VOLTAGE BACK TO THE
HV SYSTEM.

D2 PREVENTS ANY BACK EMF
PRODUCED IN I1 FROM DAMAGING
OTHER COMPONENTS.

I1 REMOVES ANY NOISE OR SPIKES
FROM THE HV LINE I.E. PREVENTING
DAMAGE TO THE DC-DC CONVERTER