

Application Note AN 5

Evaluation board for VDSL protection CA050-500-VDSL

Device



C-FAP-CA050-500-WH

Evaluation board appearance



Overview

VDSL allows faster communication over a single pair of twisted pair cables. You can evaluate the protective operation from overvoltage and overcurrent in the system, external induced noise, static electricity (ESD), and lightning surges.

Compliant standard

ITU-T K.20,21(Basic and Enhanced) etc.

Solution

1. C-FAP device

C-FAP-CA050-500-WH

2. Gas discharge tube

2031-15T-SM-RPLF

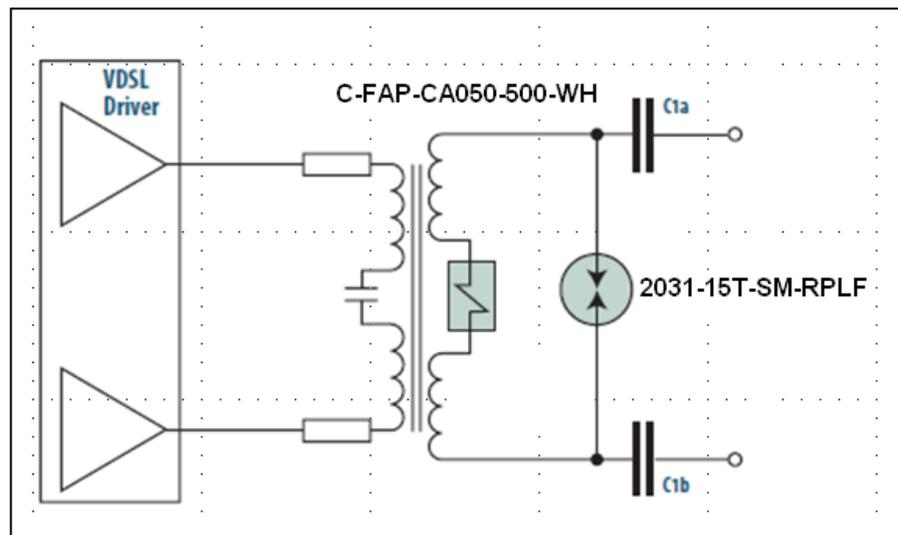
Maximum discharge voltage (DC)= 60V

Maximum impulse discharge voltage

(5kV 1.2/50 μ s)= 500V

Advantage

This solution provides a high level of protection with a small board area.



The diagram above shows protection in an application, but does not constitute a complete circuit design.

Please check the performance of the device in your application when using it.