

THALES

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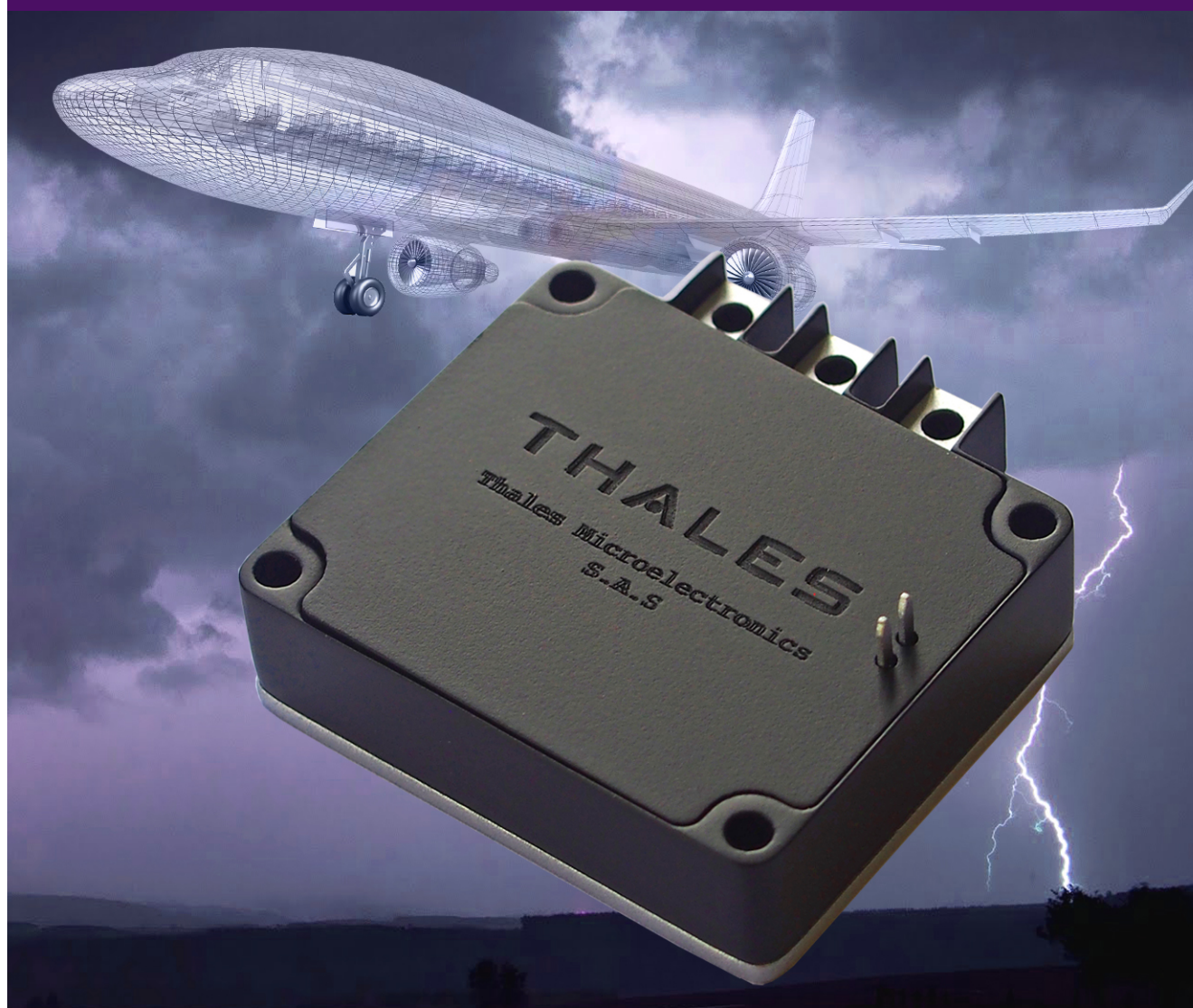
CONSULT US TO GET
YOUR OWN
CUSTOM MODULE!

FUNCTIONAL DESCRIPTION

- 28V DC or 115V AC network

Thales Microelectronics

High-reliability active lightning protection





Active Lightning Protection

28 DC or 115V AC network

APPLICATIONS

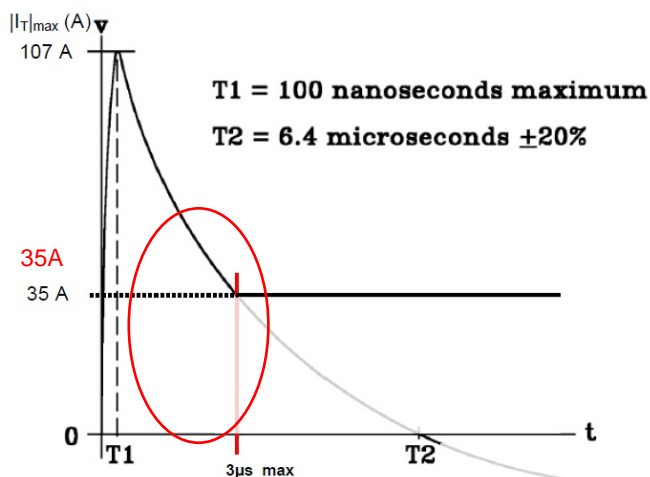
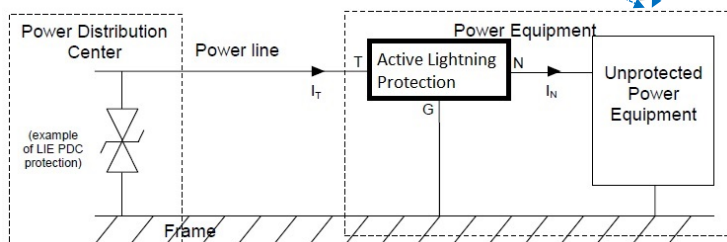
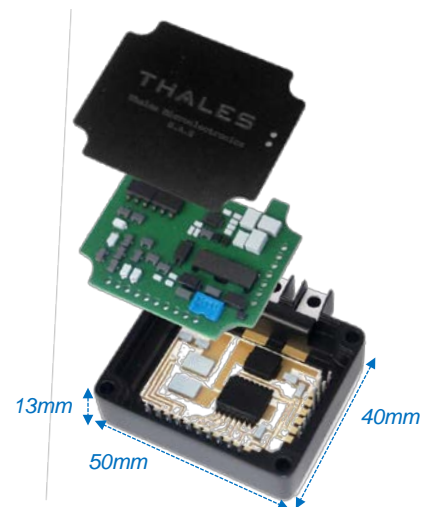
- Power network active lightning protection
- High efficiency static switch
- Aircraft power network

FEATURES

- SiC Mosfet and magneto-resistive current sensors
- Fast switching, low loss
- High Power density
- Weight < 0,3 Kgr

PERFORMANCES

- Tc @25°C unless otherwise specified



OPERATIONAL BENEFIT

Innovative current limiter

This active solution suppresses electric arc hazards by controlling the current so that I_T never exceeds the greater of these 2 values:

- 35A
- Short circuit current waveform specified for WF2

	Long wave Waveform 5A	Long wave Waveform 4	Short wave Waveform 2	Oscillator wave Waveform 3 (1 MHz & 10 MHz)
Duration	40/120µs	6.4/70 µs	0.1/6.4µs	Cf DO160
First test	1 st 500V/500A	750V/150A	1600V/107A	1500V/60A
Second test	1500V/15A	N/A	N/A	N/A