

VDSL Hybrid Module APC77155



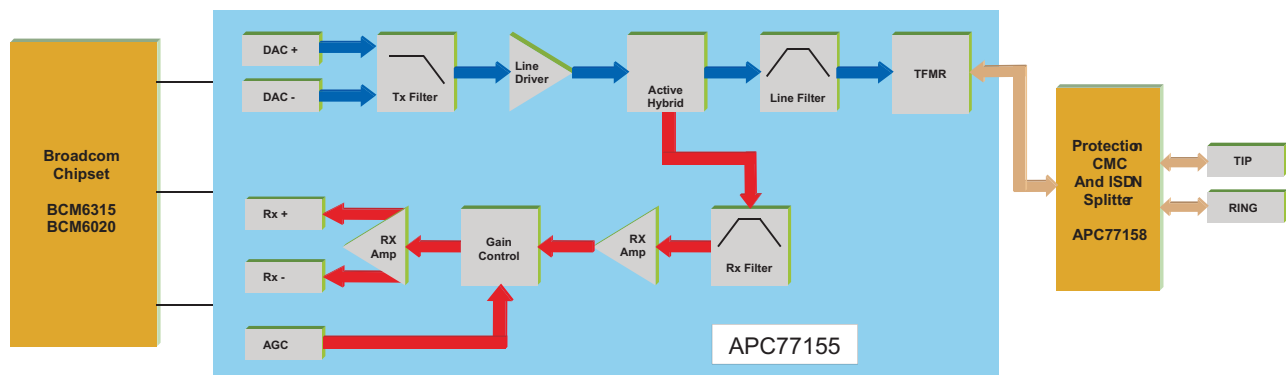
FEATURES

- Designed for Broadcom BCM6315 and BCM6020 VDSL chipset
- MII compliant Plan998 based Symmetric CO Design
- Includes Band Pass Line Filter, 2 wire line interface hybrid, TX and RX filters and AGC control
- 1500V Line isolation transformer.
- Minimum surface mount footprint for increased line card density

ELECTRICAL SPECIFICATIONS@25°C

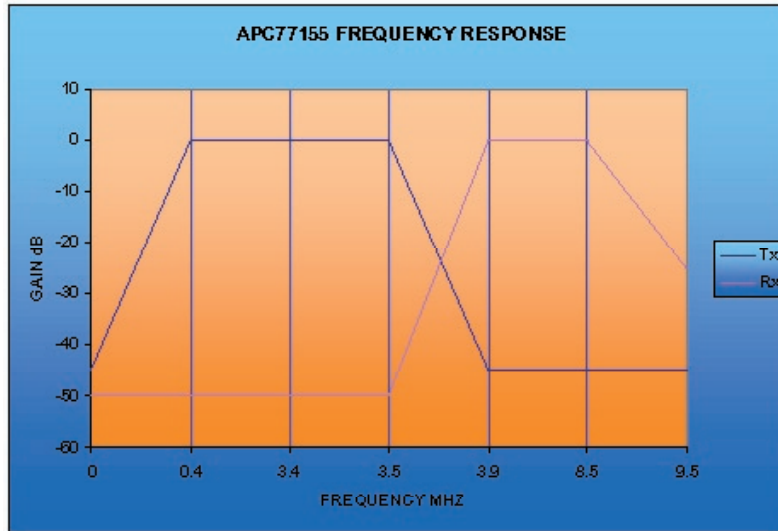
Description	Passband Freq	Stopband Freq	Attenuation min	Impedance
ISDN LPF (CPE)	DC to 120 KHz	220 KHz >	50dB	100R
VDSL HPF (CPE)	200 KHz >	DC to 100 KHz	50dB	100R

BLOCK DIAGRAM



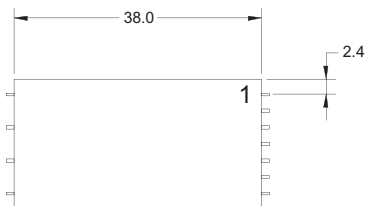
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FREQUENCY ALLOCATION

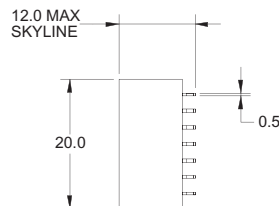


MECHANICAL

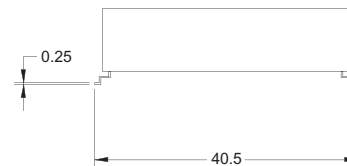
Top View



End View

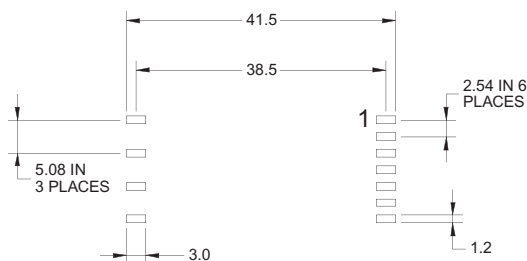


Side View



Pin No.	Signal
1	DACP
2	DACN
3	0V
4	AGC_CTRL
5	+12V
6	ADCP
7	ADCN
8	N/C
9	RING
10	TIP
11	N/C

Recommended PCB Layout





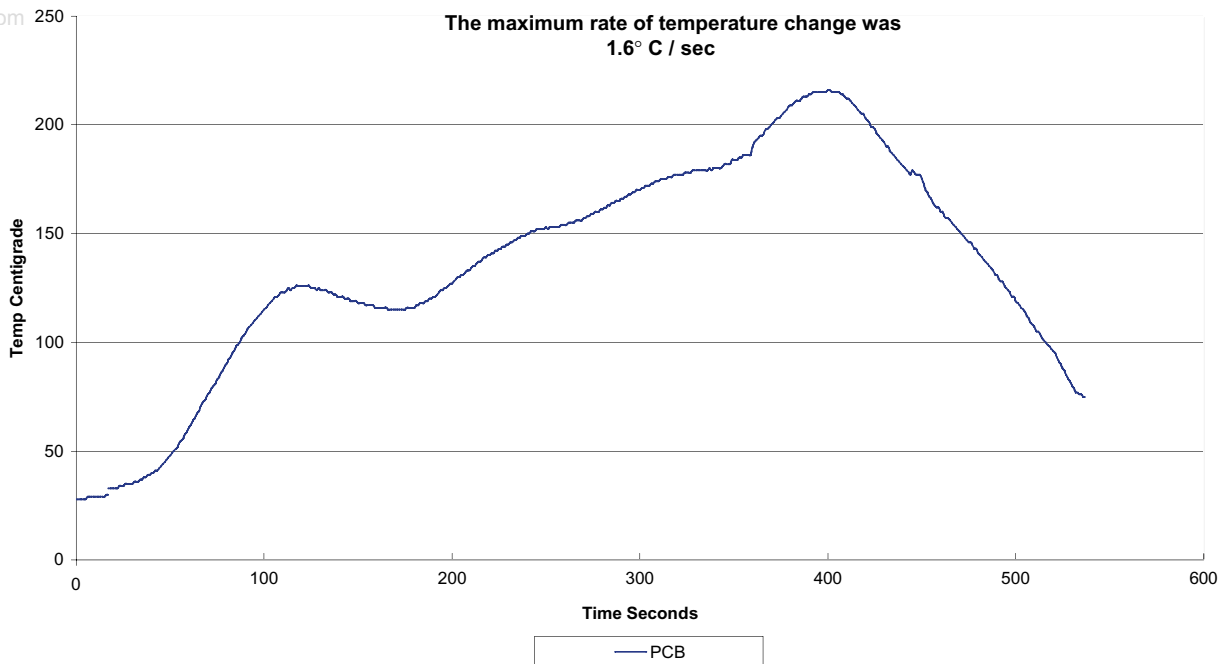
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APC77155

REFLOW PROFILE

Recommended Reflow profile of Host PCB for APC SMT Parts

The maximum temperature reached by the PCB was 214° C and was within 1° of this for 16 seconds.



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