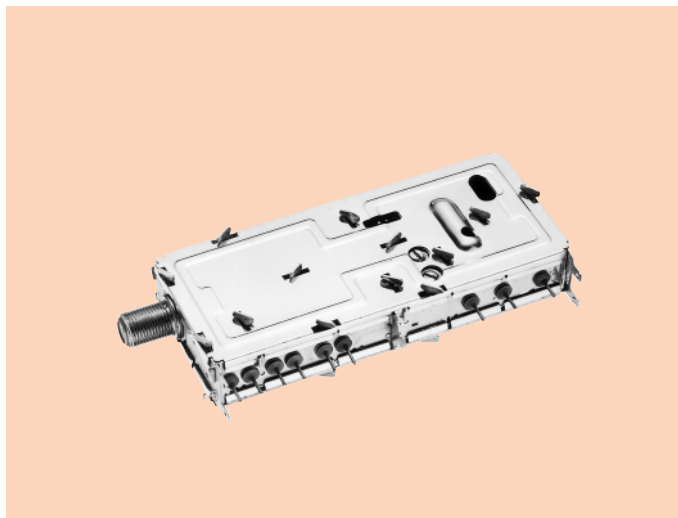


CATV Up/Down Converter CATV 15 Series

DBS 2nd RF Units, CATV Converters

OUTLINE

CATV15 CONVERTER is use max. 134ch CATV Cable SETTOP system.



FEATURES

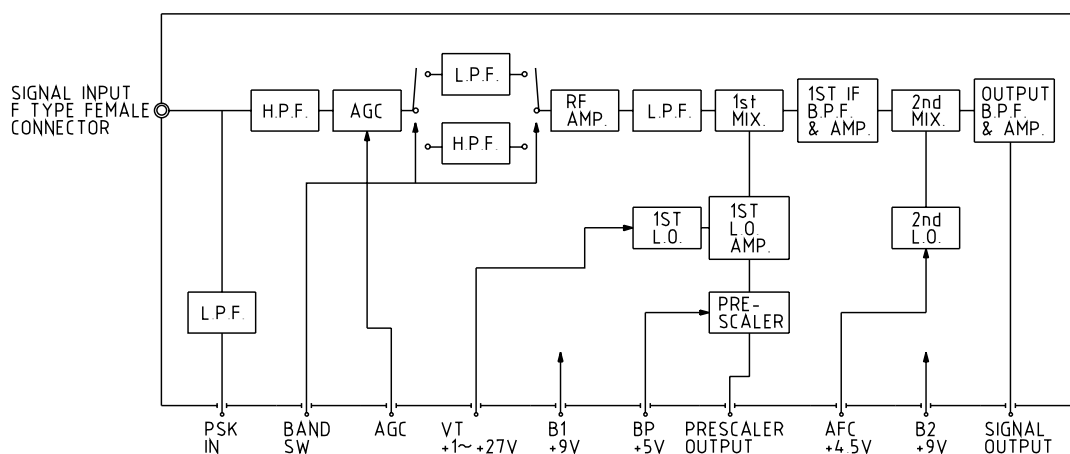
1. Input frequency is 47 to 864MHz.
2. Use chip component Small and lightweight.
3. 1st IF use HERICAL filter and dielectric filter. High quality.
4. Included prescaler IC.

SPECIFICATIONS

Item	CATV15-A81F	CATV15-E81F
Input Frequency Range	54~864MHz	47~862MHz
Output Channel	US BASE BAND	European BASE BAND
Input Impedance	75Ω	75Ω
Output Impedance	75Ω	75Ω
Input Return Loss	6dB min.	6dB min.
Output Return Loss	14dB min.	14dB min.
Input Signal Level	-5~+15dBmV	-5~+15dBmV
Power Gain	20~30dB	20~30dB
Noise Figure	12dB max.	12dB max.
Supply Voltage	9V : 270mA max. 5V : 50mA max.	9V : 270mA max. 5V : 50mA max.
Prescaler Output Level	0.5Vp-p min.	0.5Vp-p min.
Gain Reduction	20dB min.	20dB min.

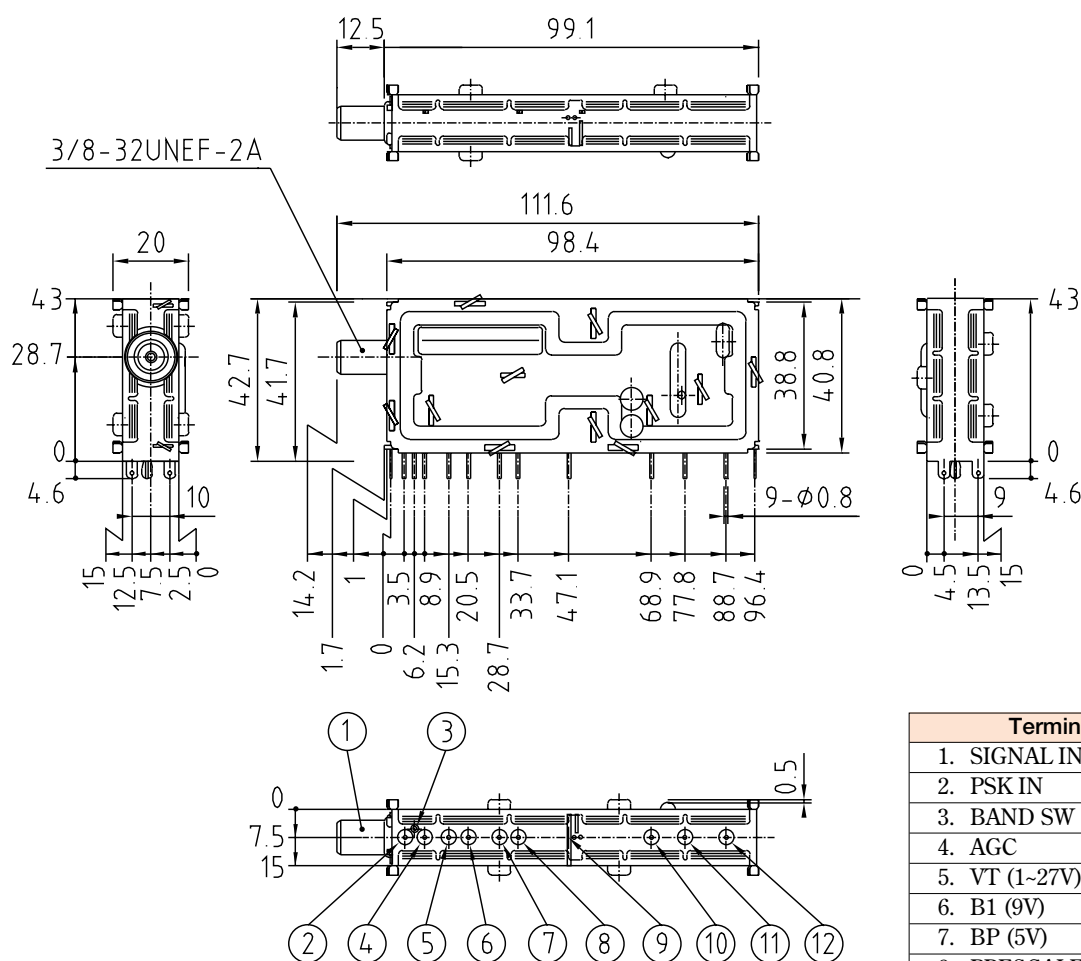
BLOCK DIAGRAM

FIGURE-1 CATV15-A81F BLOCK DIAGRAM



DIMENSIONS

CATV15-A81F/E81F



Terminals

1. SIGNAL INPUT
2. PSK IN
3. BAND SW (0 or 9V)
4. AGC
5. VT (1~27V)
6. B1 (9V)
7. BP (5V)
8. PRESCALER OUT
9. GND
10. AFC (4.5V)
11. B2 (9V)
12. SIGNAL OUTPUT

General Tolerance : $\pm 0.5\text{mm}$
Unit : mm