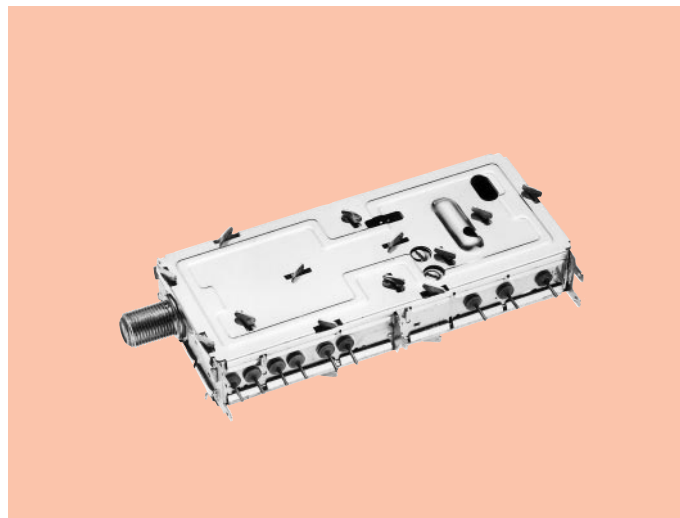


CATV Up/Down Converter CATV 15 Series

DBS 2nd RF Units, CATV Converters

OUTLINE

CATV15 CONVERTER is use max. 83ch CATV Cable SETTOP system.



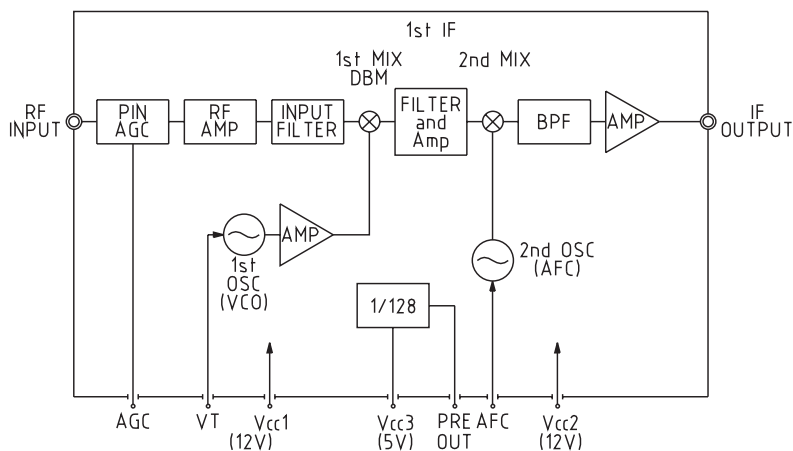
FEATURES

1. Input frequency is 50 to 550MHz.
2. Use chip component Small and lightweight.
3. 1st IF (612MHz) use HERICAL filter and dielectric filter. High quality.
4. Included prescaler IC.

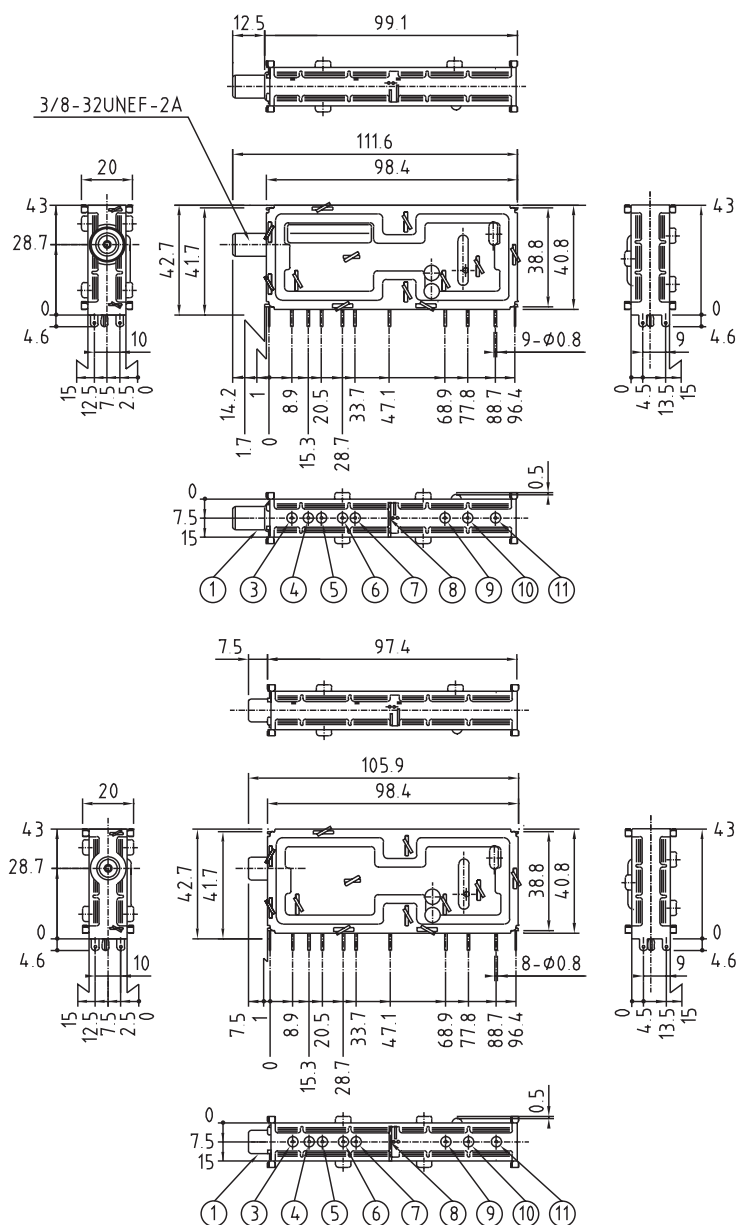
SPECIFICATIONS

Item	CATV15-A56F	CATV15-E56F
Input Frequency Range	52~552MHz	45~552MHz
Output Channel	US BASE BAND	European BASE BAND
Input Impedance	75Ω	75Ω
Output Impedance	75Ω	75Ω
Input Return Loss	7dB min.	7dB min.
Output Return Loss	12dB min.	12dB min.
Input Signal Level	-5~+15dBmV	-5~+15dBmV
Power Gain	20~30dB	20~30dB
Noise Figure	10dB max.	10dB max.
Supply Voltage	12V : 200mA max. 5V : 30mA max.	12V : 200mA max. 5V : 30mA max.
Prescaler Output Level	0.5Vp-p min.	0.5Vp-p min.
Gain Reduction	20dB min.	20dB min.

BLOCK DIAGRAM



DIMENSIONS



Terminals
1. Signal Input
2. _____
3. AGC
4. VT (+1~+27V)
5. V _{CC} 1 (+12V)
6. V _{CC} 3 (+5V)
7. Prescaler Output
8. GND
9. AFC (+6V)
10. V _{CC} 2 (+12V)
11. Signal Output

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