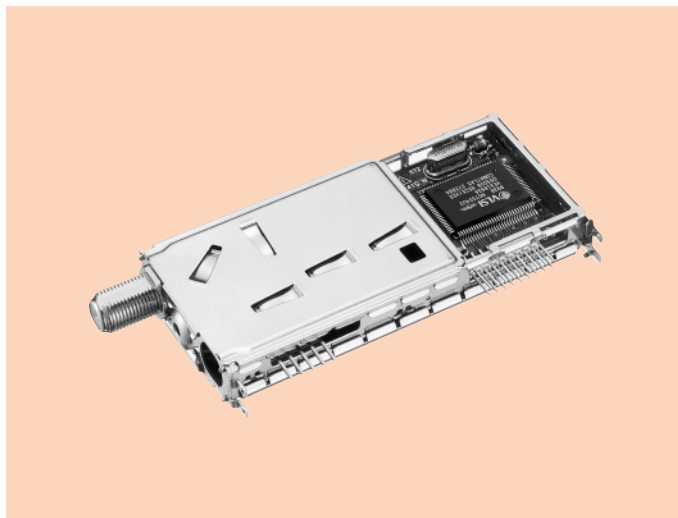


2nd RF Units for Digital Satellite Broadcasting Receiver TSU27 Series

DBS 2nd RF Units, CATV Converters

OUTLINE

The TSU27 series consists of RF units for receiving digital satellite broadcasts, and has built-in QPSK demodulation and FEC circuitry.



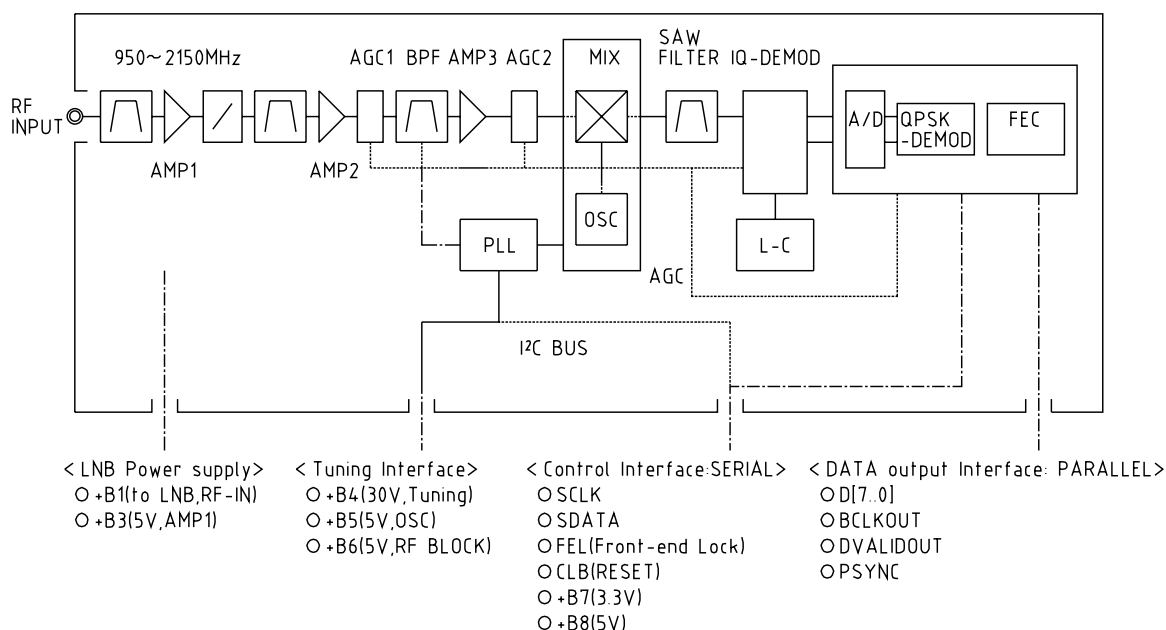
FEATURES

1. Built-in QPSK demodulation and error correction circuit.
2. Supports DVB.
3. Error rate performance closely approaching logic value.
4. Low height (40mm)
5. Symbol Rate : 4~30MS/S (option)
6. Horizontal type (option)
thinness 12.5mm for PC extension slot.

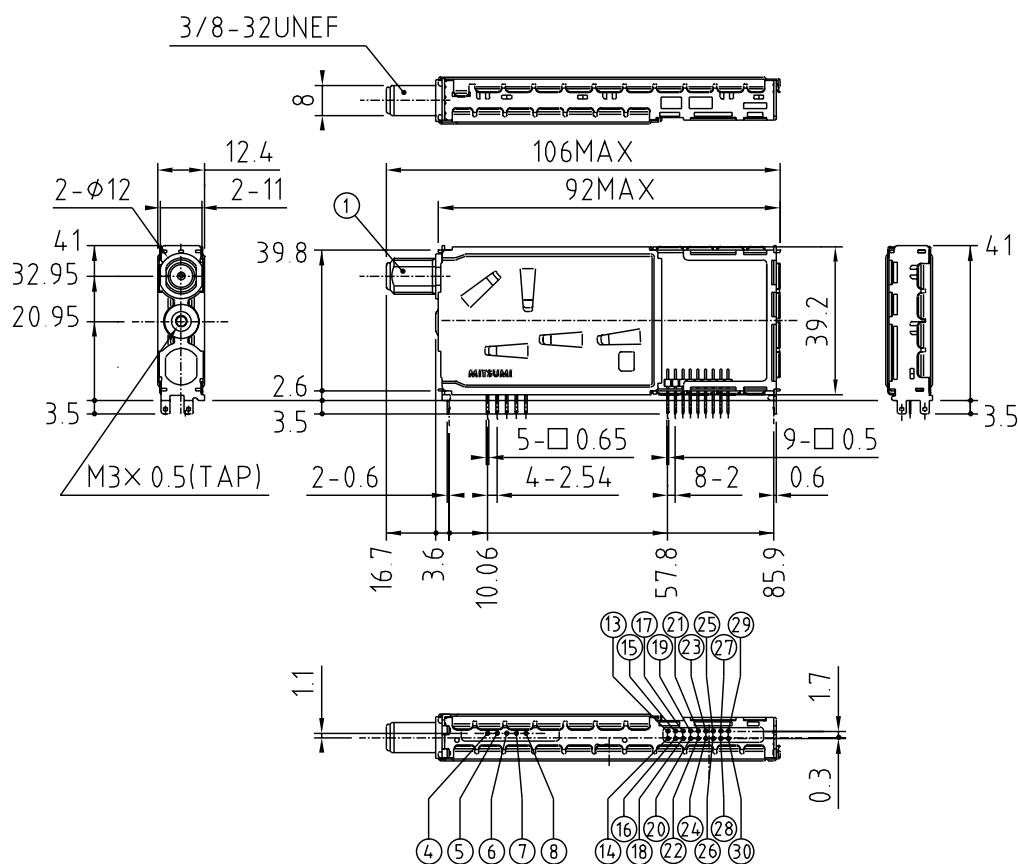
SPECIFICATIONS

Item	Models	TSU27-E05D	Remarks
Input Frequency		950~2150MHz	
Input Impedance		75Ω	
Input Level		-25~-65dBm	F-female
IF Frequency		479.5MHz	
IF BW		36MHz	
Sybol Rate Range		15~25M sym/s	
Modulation Type		QPSK	
Output Data		8 bit parallel	
FEC Rates		1/2, 2/3, 3/4, 5/6, 7/8	
Controller Bus Interface		I ² C	

BLOCK DIAGRAM



DIMENSIONS



Unit : mm
General Tolerance : ±0.5mm

Terminals
1. RF Input
2. —
3. —
4. +B1 (LNB 15V)
5. +B3 (5V)
6. +B4 (VT)
7. +B5 (5V)
8. +B6 (5V)
9. —
10. —
11. —
12. —
13. SCL
14. SDA
15. +B7 (3.3V)
16. GND
17. CLB
18. D7
19. D6
20. D5
21. D4
22. D3
23. D2
24. D1
25. D0
26. BCLK
27. DVALID
28. PSYNC
29. FEL
30. +B8 (5V)
31. —
32. —
33. —
34. —
35. —
36. —