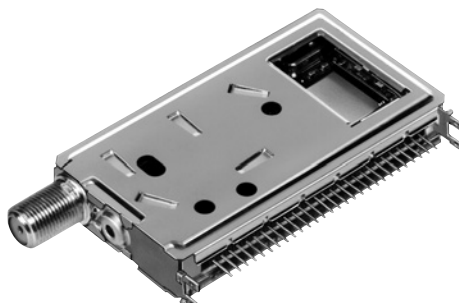


デジタル衛星放送用8PSK/QPSK復調器内蔵高周波ユニット

RF unit with 8PSK/QPSK Demodulator for Digital BS

BSB Series

8PSK/QPSK復調器内蔵によりセット設計の効率化・合理化に貢献。
Built in 8PSK/QPSK demodulator simplifies and rationalizes of set design.



2002
NEWLY
INSERTED

■特長

- IQ復調部はダイレクトコンバージョン方式を採用し、小形、薄形化を達成。
- 優れた位相雑音特性、群遅延特性により、ビットエラーレート性能の向上に寄与。
- 最適化設計による低消費電力（1.6W max.）。
- 取付形状は、伏形/立形が可能。

■用途

- デジタルBSレシーバ、STB、VTR、PC

■Features

- Direct conversion IC obtains IQ demodulated output and very small size.
- Low Bit Error rate with Excellent phase noise and groupdelay.
- Low power consumption by optimized RF design.
- Horizontal mount, Vertical mount.available.

■Applications

- Digital BS receiver, STB, VCR, PC

■印加電圧 Supply Voltage

Terminal	BSBN	BSBE
RFAMP	+5V	
+B	+5V	
TU	+30V	
Demodulator I/O drive	+3.3V	
Demodulator Core drive	+1.5V	+2.5V

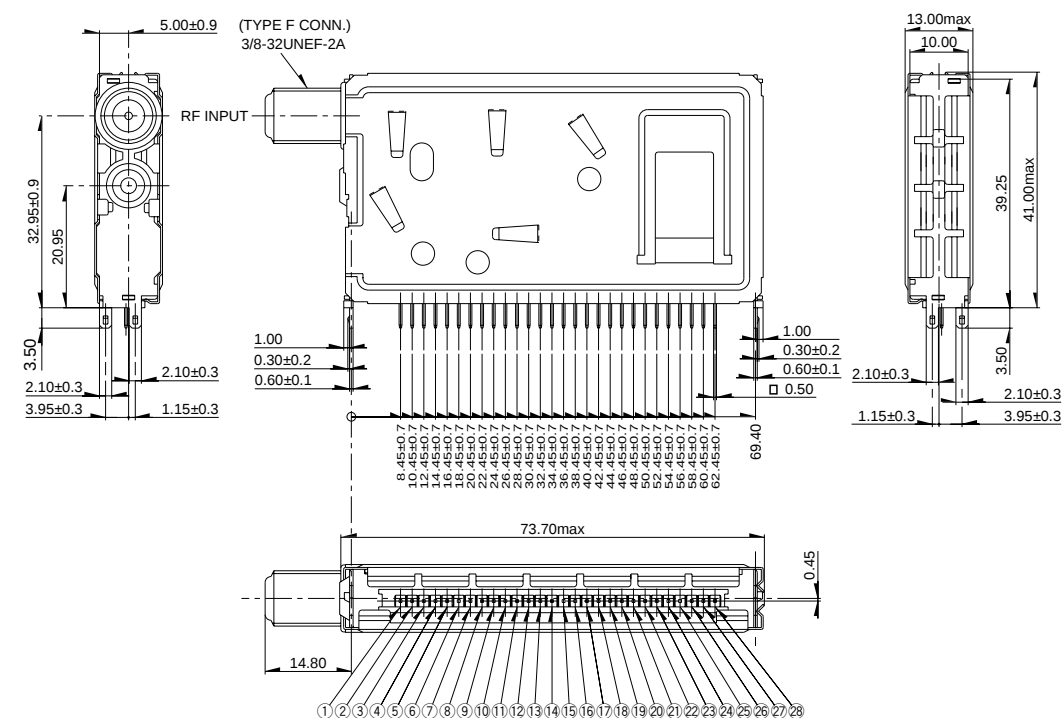
■電氣的仕様 Electrical Specifications

Item	BSBN	BSBE
Input frequency range	950~2150MHz	
Input level range	-65~-25dBm	
Input VSWR	2.5 max.	
Tuning control	I ² C bus control	
Demodulation format	8PSK	QPSK
Demodulator IC	NEC μ PD61521	ST Micro STV0299
Baudrate	28.86Mbaud	1~45Mbaud
Bit error rate	1×10^{-4} max. (Before RS) @CN9.1dB	DVB compatible
Power consumption	1.6W max.	
Mounting	Vertical / Horizontal	

外形図 Dimensions

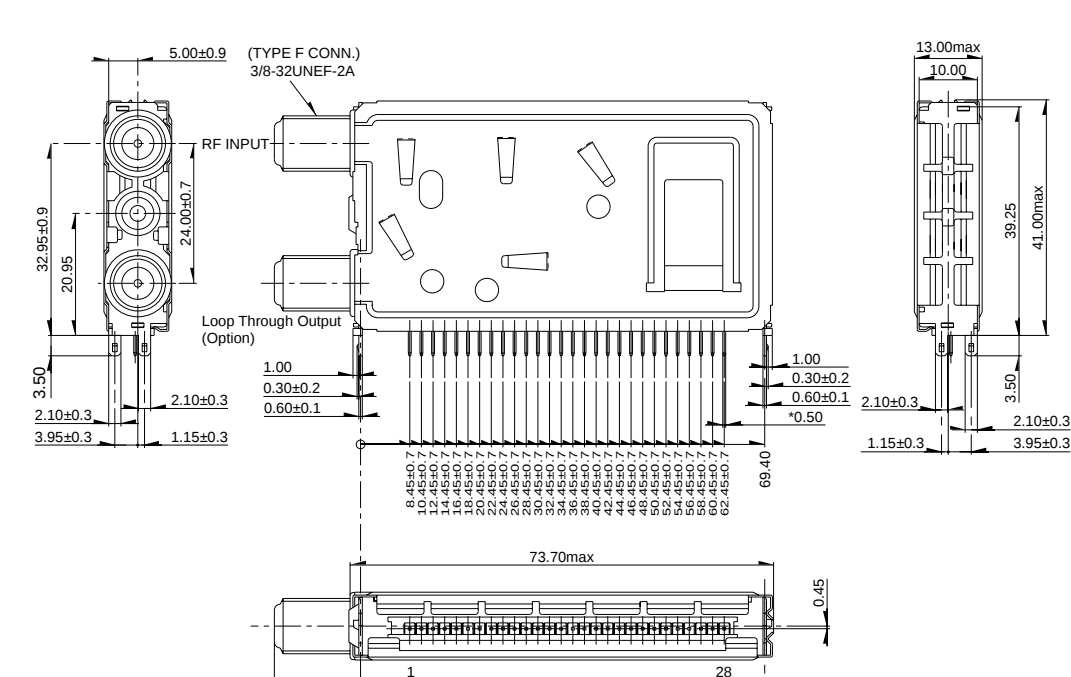
Unit : mm

BSBN



Terminal No.	Terminal Name
①	LNB POWER (RF INPUT)
②	DNC
③	+5V(RF AMP)
④	+5V
⑤	+30V
⑥	SF SYNC
⑦	RESET
⑧	TMCC EMG
⑨	TMCC CHG
⑩	HLFLAG
⑪	FSYNC
⑫	+3.3V
⑬	GND
⑭	+1.5V
⑮	LNBLCK
⑯	PSYNC
⑰	DEN
⑱	DATA7
⑲	DATA6
⑳	DATA5
㉑	DATA4
㉒	DATA3
㉓	DATA2
㉔	DATA1
㉕	DATA0
㉖	BCLK
㉗	SDA
㉘	SCL

BSBE



Terminal No.	Terminal Name
①	LNB POWER (RF INPUT)
②	LNB POWER (LOOP OUT)
③	+5V(RF AMP)
④	+5V
⑤	+30V
⑥	N/C
⑦	RESET
⑧	ERROR
⑨	OP0
⑩	OP1
⑪	LOCK/OP2
⑫	+3.3V
⑬	GND
⑭	+2.5V
⑮	F22/DISEqC
⑯	STR_OUT
⑰	D/P
⑱	DATA7
⑲	DATA6
⑳	DATA5
㉑	DATA4
㉒	DATA3
㉓	DATA2
㉔	DATA1
㉕	DATA0
㉖	CLK_OUT
㉗	SDA
㉘	SCL