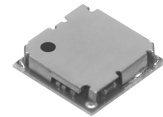


FM Tuner Module

TSM□1 Series



Compact, low-profile design with a capacity of 0.049ml enhances the flexibility of your set design.

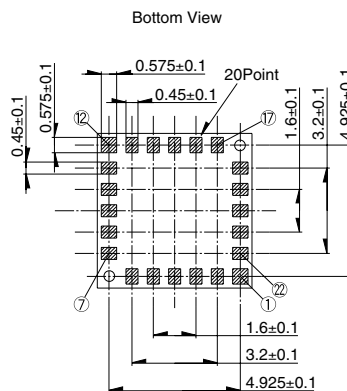
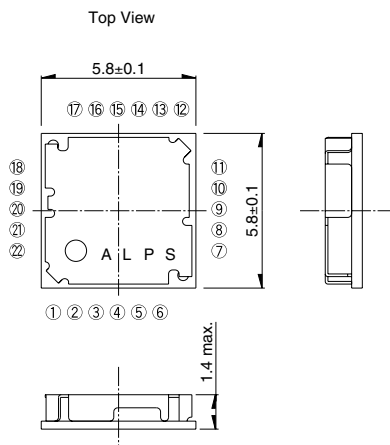
Applications

Mobile phones, various Personal Digital Assistants, digital audio players, memory players, PCs, and home AV equipments(TV, set top box, etc.)

Typical Specifications

Items	Specifications
Input frequency range (FM frequency band)	76.0 to 108MHz
Dimensions	5.9×5.9×1.4mm max. (built in DET/MPX)
Vcc	2.85V
Current Consumption	8mA (12mA max.)
Control Signal	I ² C
Ref.Frequency	32.768kHz (X'tal EXT)

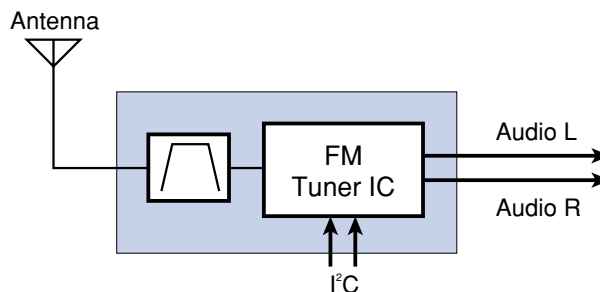
Dimensions



Unit:mm

TERMINAL NO.	CONTENTS
1	MPX
2	GND
3	GND
4	AF R OUT
5	AF L OUT
6	DIGITAL VCC
7	DATA
8	LATCH
9	CLOCK
10	GND
11	X'TAL 1
12	X'TAL 2
13	GND
14	GND
15	GND
16	GND
17	GND
18	ANALOG VCC
19	GND
20	STATUS
21	FM ANT
22	RSSI

Circuit Block Diagram



Operating Precautions

1. Unless specifically indicated otherwise, this product has been designed and manufactured for use in ordinary electronic equipment and devices, such as AV equipment, electric home appliances, office machines, and communications equipment. Equipment manufacturers are consequently advised that when these products are planned for equipment that requires a high degree of safety and reliability, especially those apparatuses like medical equipment, aviation and aircraft equipment, space equipment, and burglar alarm equipment, the manufacturers should assure equipment safety by providing protection circuits and redundant circuitry and should fully study the suitability of such products for the intended equipment.
2. Specification indicated in this catalog is outline only. When employing the product, use of an officially authorized specification for supply contract is recommended.
3. The external appearance, performances, and other properties of the product may be changed for improvement without prior notice.
4. Names for products and companies and titles of specifications indicated in this catalogue are mostly trademarks or registered trademarks of their respective owners.
5. Please contact us for any enquiries and queries on our products and their uses.
6. This catalog is valid till the end of December 2005.

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