

3 MEMS SPEC. as following

ITEM	PARTS NUMBER	DIMENSIONAL	SENSITIVITY
1	TMSA-2718F421-340-HF (MEMS MIC)	2.75x1.85x0.95mm	-42±1dB (0dB=1V/Pa.at 1KHz)
2	TMSA-3722F421-323-HF (MEMS MIC)	3.76x2.24x1.10mm	-42±1dB (0dB=1V/Pa.at 1KHz)
3	TMSA-3729F381-240-HF (MEMS MIC)	3.76x2.95x1.10mm	-38±1dB (0dB=1V/Pa.at 1KHz)

► Sensitivity(1KHZ,OdB=1v/Pa)

-42±1dB
-42±2dB
-42±3dB

TMSA-3722F

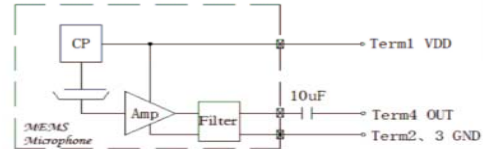
Omnidirectional analog
MEMS Microphone



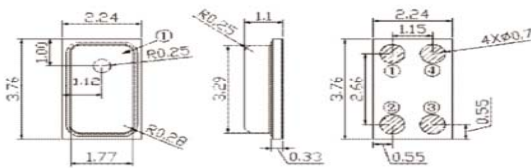
► Specifications

Sensitivity: See above
Current Consumption : 80-120uA
Operating Voltage: 1.6V-3.6 V
Signal to Noise Ratio: Typ 59dB
Acoustic Overload Point: 120dB SPL
Directivity: Omnidirectional

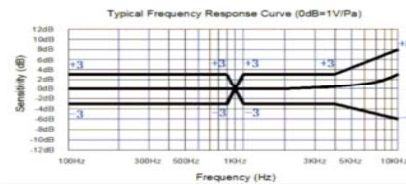
► Schematic Diagram



► Dimension(mm)



► Frequency Response Curve



► Sensitivity(1KHZ,OdB=1v/Pa)

-42 ± 1dB
-42 ± 2dB
-42 ± 3dB

TMSA-3729F

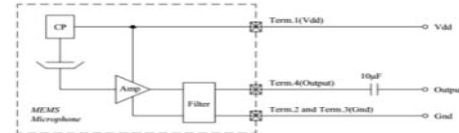
Omnidirectional analog
MEMS Microphone



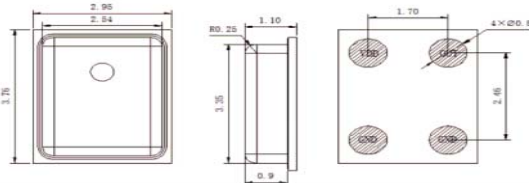
► Specifications

Sensitivity: See above
Current Consumption : 80-120uA
Operating Voltage: 1.5V-3.6 V
Signal to Noise Ratio: Typ 59dB
Acoustic Overload Point: 132dB SPL
Directivity: Omnidirectional

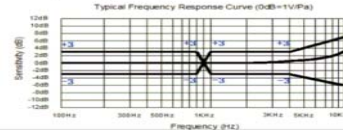
► Schematic Diagram



► Dimension(mm)



► Frequency Response Curve



Omnidirectional analog MEMS Microphone

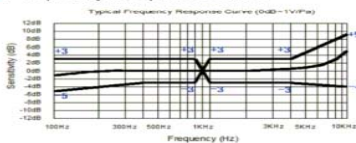
TMSA-2718F



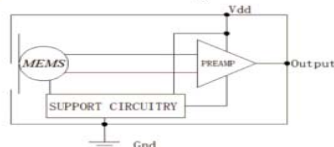
► Sensitivity(1KHZ,OdB=1v/Pa)

-42 ± 1dB
-42 ± 2dB
-42 ± 3dB

► Frequency Response Curve



► Functional Block Diagram



► Specifications

Sensitivity: See above
Current Consumption : TYP 95uA
Operating Voltage: 1.5V-3.6 V
Signal to Noise Ratio: Typ 59dB
Acoustic Overload Point: Typ 126dB SPL
Directivity: Omnidirectional

► Dimension(mm)

