

## MFP - Microphone Pico Range



### Sub-Miniature Water Resistant Electret Microphone Series

Developed by Pamby Electronics Ltd UK. Part of a new rugged range of Headsets / Mobile radio / Military Standard Microphones offering “value for money” designs.

## MFP - Microphone Pico Range

### Featuring

- Compact Noise Cancelling Non-amplified Electret
- Choice of Microphones
- EMC/RFI Screening Option
- Wide frequency response and low distortion
- UK manufactured
- Flexible boom assembly with optional windsock
- Wire ended to maximise customer options

### How to order

**MFP -**    -

Microphone Type	Wiring	EMC/RFI Screening	Boom Length
1- Superior Grade Microphone	1 – 3 wire	1 – N/A	S – Standard
2- Standard Grade Microphone	2 – 2 wire	2 – Included	120mm
			XXX – Define length

### General Characteristics

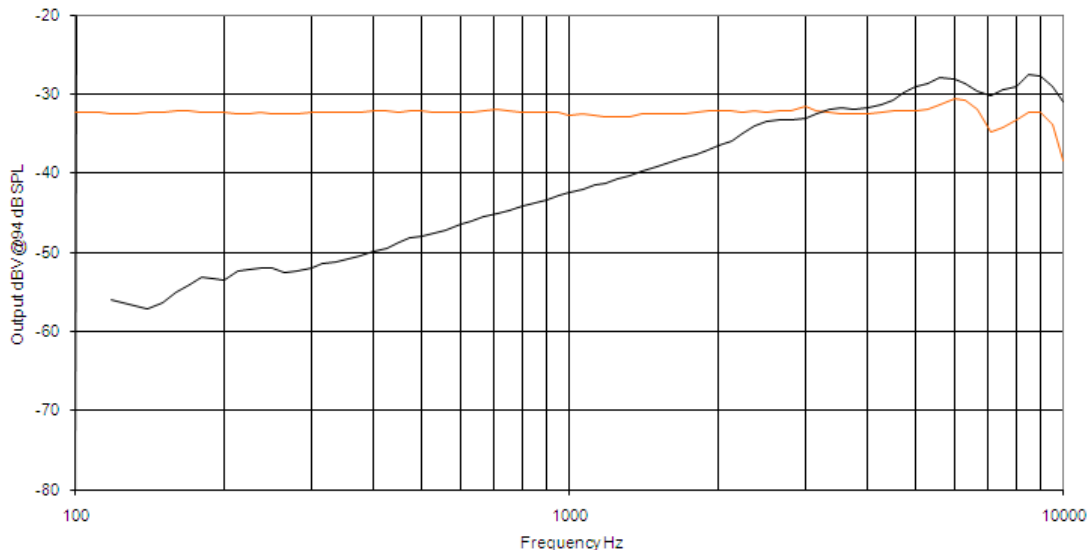
Type:	Electret	Designed In accordance with Mil-Std-810G
Dimensions:	12mm Width 9mm Depth 25mm Length	High Temp: Method 501.5 Storage/Operation (+71degC/+49degC)
Boom:	5.5mm Dia,	Low Temp: Method 502.5 Storage/Operation (-40degC/-20degC)
Sensitivity 3-wire	Typ -32dBV/Pa into 10Kohm	Humidity: Method 507.5 < 95%
Sensitivity 2-wire	Typ -30dBV/Pa into 2Kohm Typ -23dBV/Pa into 15Kohm	Dust: Method 510.5
Freq. Response:	100Hz to 10KHz	Salt Fog: Method 509.5
Supply:	2v (<5Kohm) to 10v DC,	Shock Drop: Method 516.6 (12 drops to 2m)
Feed:	2K to 15Kohm (>4v supply)	Rain: Method 506.5
Terminals:	Wire ended	Immersion: Method 512.5 Proc 1, 1m/30min, IP67
		Fungus: Method 508.6

## MFP - Microphone Pico Range

### Typical Noise Cancelling Microphone Frequency Response

Superior Grade Microphone (5v DC via 10Kohm)

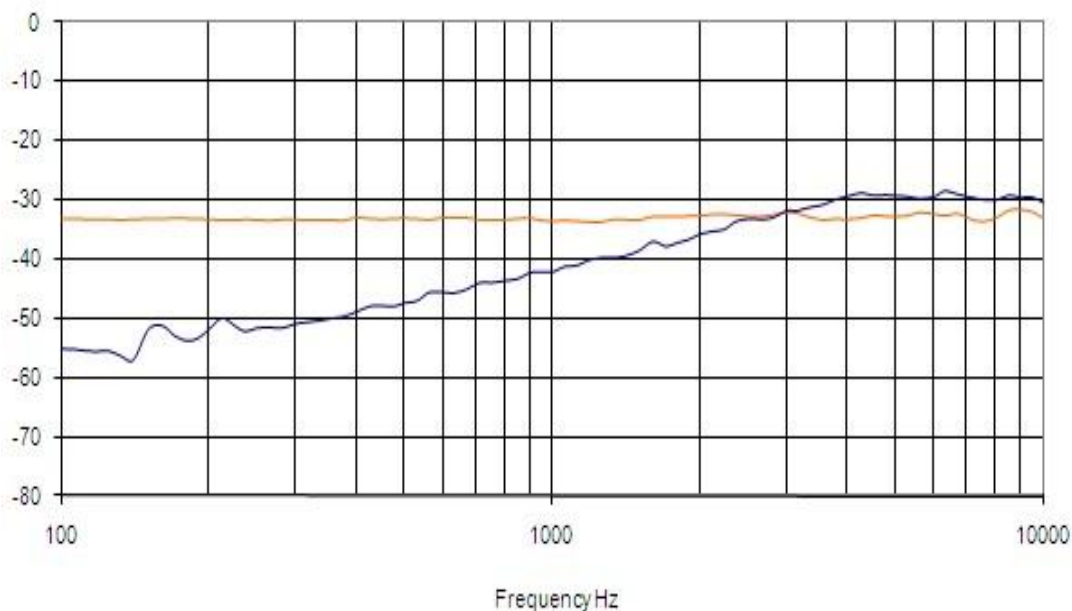
Near Field 6mm (Orange), Far Field 1m (Black)



### Typical Noise Cancelling Microphone Frequency Response

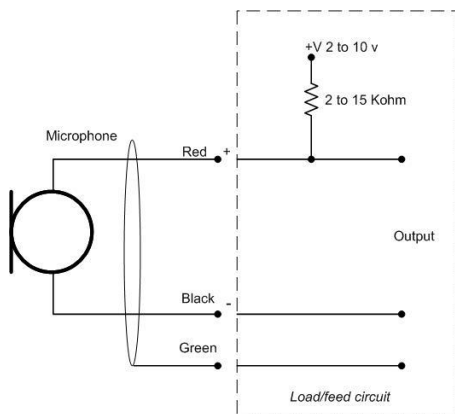
Standard Grade Microphone (5v DC via 2Kohm)

Near Field 6mm (Orange), Far Field 1m (Blue)

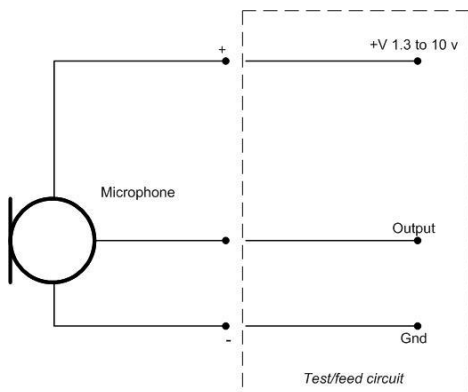


## MFP - Microphone Pico Range

### Schematic Circuit – 2 wire



### Schematic Circuit – 3 wire



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