



**EC-380**  
**EM-361 / 370HS / 380**  
**DM-270 / 320 / 420 / 520**  
**Wired Microphones**



## EM-361

## Tie Clip Microphone



### EM-361

- Compact electret condenser microphone element
- Designed for best performance & convenience with revolving clip holder, allowing easy microphone position adjustment
- Ideal for voice-oriented applications as lectures, presentations and religious services

### Specifications

Element	Electret Condenser Microphone
Directivity	Unidirectional
Rated Impedance	2 k $\Omega$ , unbalanced
Sensitivity	-29 dB (1kHz, 0dB = 1 V/Pa)
Frequency Response	60 Hz ~ 20 kHz
Cable Length	7 m
Connector Output	1/4" Unbalanced Phone Plug 6.3, Length 30cm
Material Color	Case: ABS Black
Dimensions (WxHxD)	89.5 x 38 x 19 mm (microphone body)
Weight	160 g (without battery)
Battery	1.5V "AA" (R6S or UM-3U) x 1 pc
Accessories	Wind screen x 1 pc



## EM-370HS

## Headset Microphone



### EM-370HS

- Electret condenser microphone featuring high sensitivity and speech intelligibility.
- Flexible microphone holder for easy adjustment of microphone position
- Ideal for any speech application

### Specifications

Element	Electret Condenser Microphone
Directivity	Unidirectional
Rated Impedance	2.5 k $\Omega$ , unbalanced
Sensitivity	-51 dB (1kHz, 0dB = 1 V/Pa)
Frequency Response	50 Hz~12 kHz
Cable Length	10 m (10,000 mm)
Connector	1/4" Unbalanced Phone Jack
Finish	Battery case: ABS, Black; Headset: Metal Black
Dimensions (WxHxD)	89.5 x 38 x 19 mm (microphone body)
Weight	142 g (without battery)
Battery	"AA" (R6S or UM-3U) x 1 pc



## EM-380

## Gooseneck Microphone



### EM-380

- > Condenser microphone with cardioid pattern for focused pickup
- > Two adjustment points allow more flexibility in positioning angles
- > Option of operating with battery or phantom power

#### Specifications

Element	Condenser Microphone
Polar Pattern	Cardioid
Rated Impedance	750 $\Omega$ , Balanced
Rated Sensitivity	-41dB $\pm$ 3 dB (1 kHz 0dB=1V/Pa)
Power Source	3 V DC (2 x "AA" batteries) or Phantom power (9 - 52V)
Frequency Response	50 Hz - 16 kHz
Output Connector	XLR-3-32 Equivalent
Operating Temperature	0 $^{\circ}$ C - 40 $^{\circ}$ C (32 $^{\circ}$ F - 104 $^{\circ}$ F)
Finish	Stand Mic: ABS Resin, Black, Paint Mic Shaft: Copper alloy, Black, Paint
Dimensions (WxHxD)	110 x 145 x 532 mm
Weight	550 g (exclude batteries)
Accessory	Windscreen x 1, XLR to Phone Jack Cable (7.5 m) x 1

## EC-380

## Chime Microphone



### EC-380

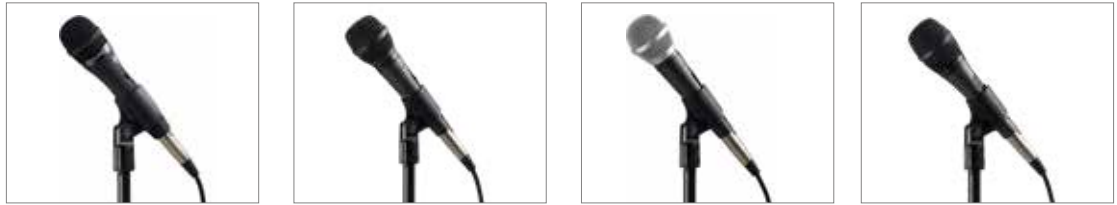
- > Cardioid pattern condenser microphone with chime designed for paging application
- > Two adjustment points allow more flexibility in positioning angles
- > Option of operating with battery or DC power

#### Specifications

Power Source	6V DC (4 x "AA" batteries) or DC adapter (9 - 24V)
Current Consumption	13 mA during chime and 6mA microphone operation
Element	Condenser Microphone
Polar Pattern	Cardioid
Chime Tone	4-Tone Chime (UP/DOWN)
Rated Impedance	600 $\Omega$ , Balanced
Output	Microphone: -41 dB $\pm$ 3 dB (1 kHz 0dB=1V/Pa) Chime Tones: -31 dB $\pm$ 3 dB (max. position)
Frequency Response Mic	50 Hz - 18 kHz
Output Connector	XLR-3-32 Equivalent RJ45: Audio output, power supply and contact output
Operating Temperature	0 $^{\circ}$ C - 40 $^{\circ}$ C (32 $^{\circ}$ F - 104 $^{\circ}$ F)
Finish	Stand Mic: ABS Resin, Black, Paint Mic Shaft: Copper alloy, Black, Paint
Dimensions (WxHxD)	110 x 145 x 532 mm
Weight	558 g (exclude batteries)
Accessory	Windscreen x 1, XLR Cable Stereo Phone Plug (7.5 m) x 1

# DM-270 / 320 / 420 / 520

# Dynamic Microphones



## DM-270 / DM-320 / DM-420 / DM-520

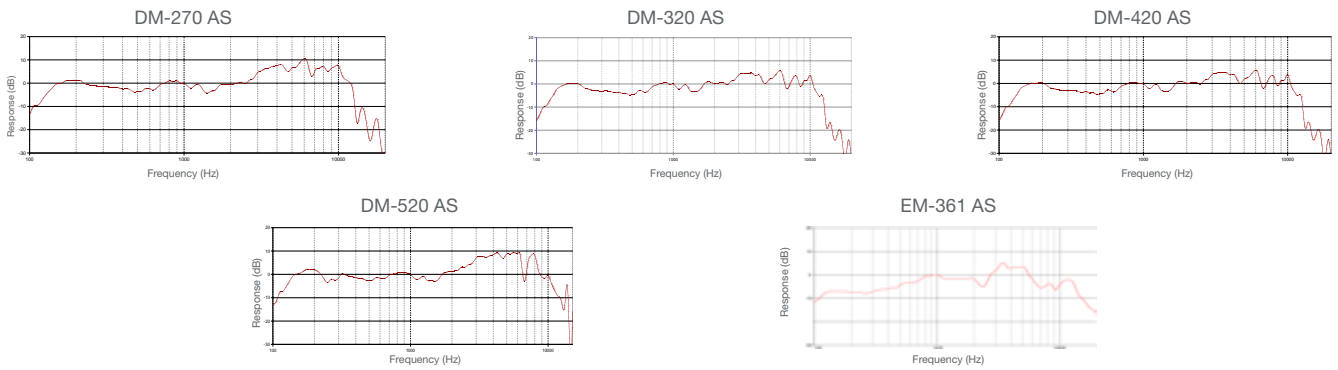
- > Dynamic, unidirectional microphones
- > Designed with superior voice clarity for speech applications ensuring optimal intelligibility

### Specifications

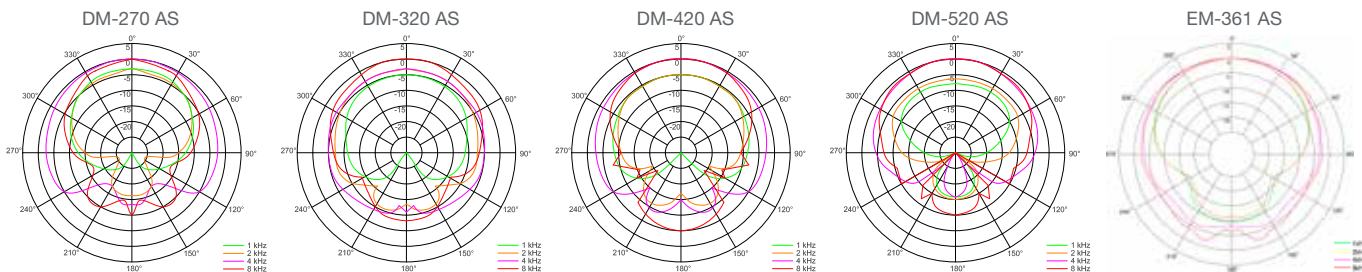
Models	DM-270	DM-320	DM-420	DM-520
Type	Moving coil microphone (Dynamic microphone)			
Directivity	Unidirectional			
Rated Impedance	600 Ω, balanced			
Sensitivity (1 kHz, 0dB=1 V/Pa)	-52 dB	-55 dB	-52 dB	-55 dB
Frequency Response	100 Hz - 15 kHz	100 Hz - 12 kHz	80 Hz - 13 kHz	
Connection Cable	Separate type			
Cable Length	5 m	7.5 m		
Connector	XLR-3			
Talk Switch	Short-off, slide switch			
Finish	Body: Die-cast aluminum; Head: Die-cast aluminum / zinc plated steel wire			
Dimensions	φ47 x 175 mm	φ52 x 183 mm		φ50 x 176 mm
Weight	300 g (without connection cable)		280 g (without connection cable)	232 g (without connection cable)
Accessory	Microphone holder (W 5/16" 18 thread)			

## CHARACTERISTIC DIAGRAMS

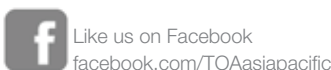
### Frequency Response (1W/0.5m)



### Polar Response



TOA Electronics Pte Ltd  
www.toa.com.sg



Specifications are subject to change without notice.  
Printed in Singapore (65) 865-0519-01