

# SELF-AMPLIFIED SURFACE MOUNT BLUETOOTH SPEAKER

ARCHITECTS AND ENGINEERS  
SPECIFICATIONS / TECHNICAL DATA



**AMPLIFIED SURFACE  
MOUNT BLUETOOTH  
SPEAKERS**

## GENERAL SPECIFICATIONS

<b>MODEL NUMBER: AMP-BT-602-1</b>	
Description:	6.5" Amplified Speaker with Bluetooth
Outdoor:	No
Impedance	4 Ω
Dispersion:	92°
Sensitivity (1W / 1M):	86 dB
Maximum Power:	40 W
Nominal Power:	20 W
Frequency Response:	80 Hz - 20 kHz
Crossover:	3.5 kHz
High Frequency Driver:	1.5 kHz - 6 kHz
Low Frequency Driver:	80 Hz - 6 kHz
Woofer Size:	6.5"
Woofer Material:	Mica / Foam Surround
Tweeter Size:	.79" (20 mm)
Tweeter Material:	PEI
Enclosure:	Plastic Enclosure
Dimensions (LxWxH):	9.5 x 8.46 x 11.3" (242 x 215 xx 288mm)
CE Approved:	Yes
Weight (Pounds/Kgs):	10 lbs. (4.5 Kgs)
Colors:	White or Black
Paintable:	Yes
Warranty:	1 Year
<b>ELECTRICAL AMPLIFIER:</b>	
Input Voltage, Nominal:	(25 Watts) 15 V DC
Input Current, Operating (15 VDC):	1.667 Amps. Peak
Input Volt-Amperes, Peak (15 VDC):	25 V Amps
Input Voltage Maximum:	16.5 V, DC
<b>Frequency Response:</b>	
EQ Set to Flat:	50 Hz to 15 kHz
Bass:	*10 dB @ 50 Hz
Treble:	*10 dB @ 10 kHz
THD + Noise:	<1% at 15 W, "A" Weighted
S/N:	>90 dB
Max. Power Output (20V in):	2 x 20 W or a Total
DC Power (Standby):	1.5 W
AC Power, Sleep Mode:	>1 W
<b>DC Power</b>	
Short Circuit Protected:	Yes
Over Current Protected:	Yes
Over Voltage Protected:	Yes
Over Temperature Protected:	Yes
Min. Load Impedance:	4.0 Ω (Two 8 Ω Speakers in Parallel)
Min. Input Impedance, Priority In:	20,000 Ω
Min. Input Impedance, Bal. Line In:	820 Ω
Min. Input Impedance, Mini-Jack:	2300 Ω
Dynamic Mic Input Impedance:	300 Ω
<b>BLUETOOTH FEATURES</b>	
Certified SIG Bluetooth Version 3.0	
Frequency Range 2.40 - 2.48 MHz	
Supports A2DP, AVRCP, HFP/HSP and SPP	
Password Protected	

Note: Maximum power requires the replacement of the 15 Volt supply with a 22 Volt supply and Energy Star and UL approvals no longer apply.



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