

# ELECTRONIC REVERBERATION UNIT

## BS WITHOUT OUTCASE SERIES Small size

BS2&amp;3 with tray series

**PATENT**


- Without outcase type
- With special designed tray, can eliminate feed back problem

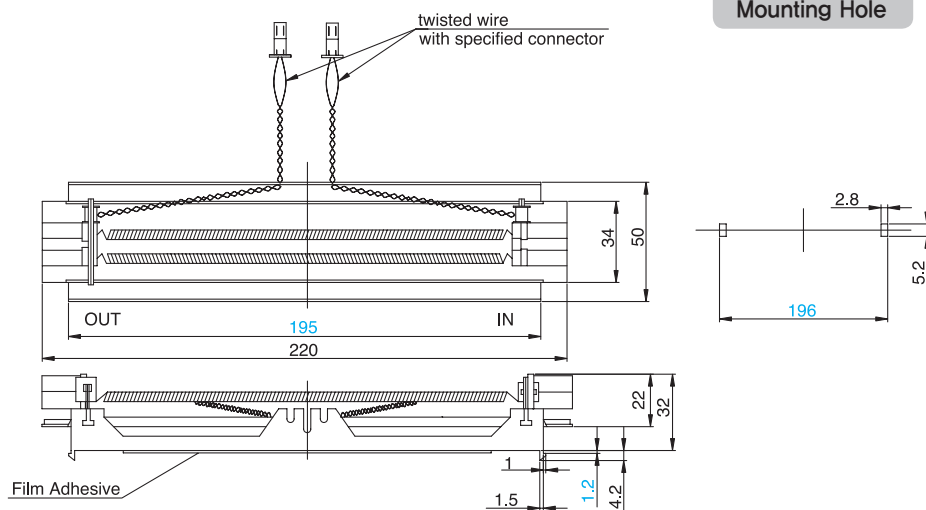
BS2&amp;3 without tray series



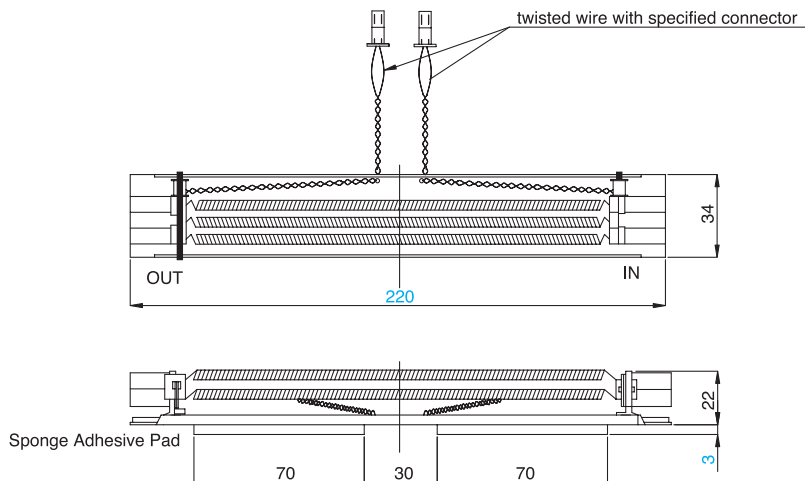
- Without outcase type
- Easy type to use on the P.C.B. by using Bottom adhesive

### Dimensions

BS2AB2ET



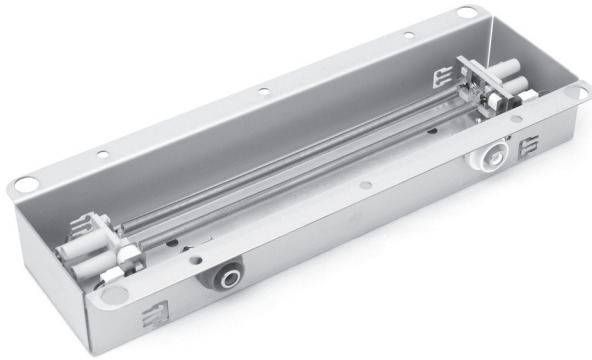
BS3AB2E



# ELECTRONIC REVERBERATION UNIT

## SPEC & TYPE GENERAL

A full rich, sweet sound of reverb throughout the audio frequency range



### Features

- 2~3 natural coil spring type
- In-out put impedance are changeable
- Small and Large size are available

### Applications

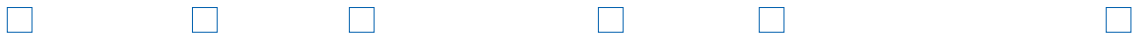
- For electric organs, guitar amplifier
- For professional audio mixer
- For system to control room acoustics

### 2 Springs Type



Input Impedance		Output Impedance		Decay Time		Connectors		Locking Device		Mounting Plane	
80 Ohm	A	500 Ohm	A	Short	1	Input Grounded Output Grounded	A	No Lock	1	Horizontal Open Side Up	A
150 Ohm	B	2250 Ohm	B	Medium	2	Input Grounded Output Insulated	B			Horizontal Open Side Down	B
200 Ohm	C	4000 Ohm	C	Long	3	Input Insulated Output Grounded	C			Vertical Connectors Up	C
250 Ohm	D	10000 Ohm	D			Input Insulated Output Insulated	D			Vertical Connectors Down	D
600 Ohm	E					10" Leads No Outer Channel	E			On End Input up	E
1475 Ohm	F					3" Leads No Outer Channel	F			On End Output up	F
1925 Ohm	G									Tray	T

### 3 Springs Type



Input Impedance		Output Impedance		Decay Time		Connectors		Locking Device		Mounting Plane	
10 Ohm	A	600 Ohm	A	Short	1	Input Grounded Output Grounded	A	No Lock	1	Horizontal Open Side Up	A
190 Ohm	B	2575 Ohm	B	Medium	2	Input Grounded Output Insulated	B			Horizontal Open Side Down	B
240 Ohm	C	4000 Ohm	C	Long	3	Input Insulated Output Grounded	C			Vertical Connectors Up	C
310 Ohm	D	12000 Ohm	D			Input Insulated Output Insulated	D			Vertical Connectors Down	D
800 Ohm	E					10" Leads No Outer Channel	E			On End Input up	E
1925 Ohm	F					3" Leads No Outer Channel	F			On End Output up	F

# ELECTRONIC REVERBERATION UNIT

## ORDER & SPECIFICATIONS GENERAL

### Suggested Ordering Procedure

To specify the reverberation unit required, please compose desired part numbers from data below and fill the specification you desire in the following square.

#### Example (with outcase type)

Logo. of BELTON	Size	Type	No. of spring	Input Imp.	Output Imp.	Decay	Connect	Lock	Mount
<b>B</b>	<b>S</b>	<b>N</b>	<b>2</b>	<b>A</b>	<b>B</b>	<b>2</b>	<b>C</b>	<b>1</b>	<b>B</b>
B abbreviation of BELTON	SIZE M MINI S SMALL L LARGE	TYPE EMPTY OLD VERSION N NEW VERSION	NO. OF SPRING 2 SPRINGS 3 SPRINGS	INPUT IMP. SEE BELOW TABLE	OUTPUT IMP. SEE BELOW TABLE	DECAY TIME 1 SHORT DECAY 2 MEDIUM DECAY 3 LONG DECAY	CONNECT SEE PAGE 2 TABLE TRAY T WITH TRAY EMPTY WITHOUT TRAY	LOCK SEE PAGE 2 TABLE	MOUNT SEE PAGE 2 TABLE

### Electrical Specifications

#### 2 Springs Type

		Impedance @1KHz $\pm 10\%$	Inductance In mH $\pm 10\%$	DC Resistance In Ohms $\pm 10\%$	Recommended AC Drive mA For Approx 3.5A-T
IN PUT	A	8 Ohm	1.3	0.9	28.0
	B	150 Ohm	23.0	26	6.5
	C	200 Ohm	32.0	27	5.8
	D	250 Ohm	40.0	36	5.0
	E	600 Ohm	95.0	75	3.1
	F	1475 Ohm	235.0	200	2.0
OUT PUT	A	500 Ohm	80.0	42	Typical Decay Time Short=1.2 to 2.0 Sec Medium=1.75 to 3.0 Sec Long=2.75 to 4.0 Sec
	B	2250 Ohm	350.0	200	
	C	4000 Ohm	630.0	350	

#### 3 Springs Type

		Impedance @1KHz $\pm 10\%$	Inductance In mH $\pm 10\%$	DC Resistance In Ohms $\pm 10\%$	Recommended AC Drive mA For Approx 3.5A-T
IN PUT	A	10 Ohm	1.5	0.9	28.0
	B	190 Ohm	30.0	26	6.5
	C	240 Ohm	38.0	27	5.8
	D	310 Ohm	43.0	36	5.0
	E	800 Ohm	150.0	75	3.1
	F	1925 Ohm	300.0	200	2.0
OUT PUT	A	600 Ohm	94.0	42	Typical Decay Time Short=1.2 to 2.0 Sec Medium=1.75 to 3.0 Sec Long=2.75 to 4.0 Sec
	B	2575 Ohm	400.0	230	
	C	4000 Ohm	630.0	350	