Product APPLICATION Guide

IEC60601-1-8 Medical Alarms (with Circuitry)

- Models available with speakers (MSS & SBS Series) & piezoelectric transducers (SBT Series).
- Priority tone & melody tone models meet all the requirements of Tables 3 & 4.
- Melody tone models meet the requirements of Annex F and Tables A.1 & A.2.
- Continuous tone models meet the freq. and rise & fall time listed in Table 4, but the user must control the on & off times to meet the other requirements of Tables 3 & 4.

Piezoelectric Transducer (With Circuitry)

Part Number	Typical Sound Level @ 10 cm (dBa)	Operating Voltage (Vdc)	High Priority Ave Current (mA)	Max Instant Current (mA)	Dia x Hgt (mm)	Tone Description	Termination Type
Continuous Tone (PC Pins)							
SBT5LM0PC	85 to 95	3.3 to 5	35	300	44.5 x 14.25	Continuous Tone	2 PC Pins
SBT12M0PC	85 to 95	9 to 12	25	75	44.5 x 14.25	Continuous Tone	2 PC Pins
Continuous Tone (Flange)							
SBT5LM0FL	85 to 95	3.3 to 5	35	300	64.5 x 14.25	Continuous Tone	Flange/2 Wires
SBT12M0FL	85 to 95	9 to 12	25	75	64.5 x 14.25	Continuous Tone	Flange/2 Wires
3 Priority Tones (PC Pins)							
SBT5LM1PC	85 to 95	3.3 to 5	20	300	44.5 x 14.25	3 Tones (General Melody)	5 PC Pins
SBT12M1PC	85 to 95	9 to 12	20	75	44.5 x 14.25	3 Tones (General Melody)	5 PC Pins
Other Melody Tones (PC Pins)							
SBT5LMMCPC	85 to 95	3.3 to 5	20	250	44.5 x 14.25	Cardiac	5 PC Pins
SBT5LMMDPC	85 to 95	3.3 to 5	20	250	44.5 x 14.25	Drug or Fluid Delivery	5 PC Pins
SBT5LMMEPC	85 to 95	3.3 to 5	20	250	44.5 x 14.25	Equipment/Supply Failure	5 PC Pins
SBT5LMMPPC	85 to 95	3.3 to 5	20	250	44.5 x 14.25	Artificial Perfusion	5 PC Pins
SBT5LMMTPC	85 to 95	3.3 to 5	20	250	44.5 x 14.25	Temp-Energy Delivery	5 PC Pins
SBT5LMMVPC	85 to 95	3.3 to 5	20	250	44.5 x 14.25	Ventilation	5 PC Pins
SBT5LMMXPC	85 to 95	3.3 to 5	20	250	44.5 x 14.25	Oxygen	5 PC Pins

Part Number	Typical Sound Level @ 10 cm (dBa)	Operating Voltage (Vdc)	Ave Current (mA)	Max Instant Current (mA)	Dia x Hgt (mm)	Tone Description	Termination Type
Other Melody Tones (PC Pins)							
SBT12MMCPC	85 to 95	9 to 12	20	75	44.5 x 14.25	Cardiac	5 PC Pins
SBT12MMDPC	85 to 95	9 to 12	20	75	44.5 x 14.25	Drug or Fluid Delivery	5 PC Pins
SBT12MMEPC	85 to 95	9 to 12	20	75	44.5 x 14.25	Equipment/Supply Failure	5 PC Pins
SBT12MMPPC	85 to 95	9 to 12	20	75	44.5 x 14.25	Artificial Perfusion	5 PC Pins
SBT12MMTPC	85 to 95	9 to 12	20	75	44.5 x 14.25	Temp-Energy Delivery	5 PC Pins
SBT12MMVPC	85 to 95	9 to 12	20	75	44.5 x 14.25	Ventilation	5 PC Pins
SBT12MMXPC	85 to 95	9 to 12	20	75	44.5 x 14.25	Oxygen	5 PC Pins

Speaker (With Circuitry)

Part Number	Typical Sound Level @ 10 cm (dBa)	Operating Voltage (Vdc)	High Priority Ave Current (mA)	Max Instant Current (mA)	Dia x Hgt (mm)	Tone Description	Termination Type
Continuous Tone (PC Pins)							
MSS5M0	85 to 95	4.5 to 5.5	200	250	23 x 13.5	Continuous Tone	2 PC Pins
SBS12M0PC	95 to 105	9 to 12	300	400	44.5 x 14.25	Continuous Tone	2 PC Pins
Continuous Tone (Flange)							
SBS12M0FL	95 to 105	9 to 12	300	400	64.5 x 14.25	Continuous Tone	Flange/2 Wires
3 Priority Tones- (PC Pins)							
MSS5M1	85 to 95	4.5 to 5.5	150	400	23 x 13.5	Low, Medium, & High	4 PC Pins
MSS5MMG	85 to 95	4.5 to 5.5	150	400	23 x 13.5	3 Tones (General Melody)	4 PC Pins
SBS12M1PC	95 to 105	9 to 12	200	630	44.5 x 14.25	3 Tones (General Melody)	5 PC Pins
Other Melody Tones (PC Pins)							
MSS5MMC	85 to 95	4.5 to 5.5	150	400	23 x 13.5	Cardiac	4 PC Pins
MSS5MMD	85 to 95	4.5 to 5.5	150	400	23 x 13.5	Drug or Fluid Delivery	4 PC Pins
MSS5MME	85 to 95	4.5 to 5.5	150	400	23 x 13.5	Equipment/Supply Failure	4 PC Pins
MSS5MMP	85 to 95	4.5 to 5.5	150	400	23 x 13.5	Artificial Perfusion	4 PC Pins
MSS5MMT	85 to 95	4.5 to 5.5	150	400	23 x 13.5	Temp-Energy Delivery	4 PC Pins
MSS5MMV	85 to 95	4.5 to 5.5	150	400	23 x 13.5	Ventilation	4 PC Pins
MSS5MMX	85 to 95	4.5 to 5.5	150	400	23 x 13.5	Oxygen	4 PC Pins
SBS12LMMCPC	95 to 105	9 to 12	200	630	44.5 x 14.25	Cardiac	5 PC Pins
SBS12LMMDPC	95 to 105	9 to 12	200	630	44.5 x 14.25	Drug or Fluid Delivery	5 PC Pins
SBS12LMMEPC	95 to 105	9 to 12	200	630	44.5 x 14.25	Equipment/Supply Failure	5 PC Pins
SBS12LMMPPC	95 to 105	9 to 12	200	630	44.5 x 14.25	Artificial Perfusion	5 PC Pins
SBS12LMMTPC	95 to 105	9 to 12	200	630	44.5 x 14.25	Temp-Energy Delivery	5 PC Pins
SBS12LMMVPC	95 to 105	9 to 12	200	630	44.5 x 14.25	Ventilation	5 PC Pins
SBS12LMMXPC	95 to 105	9 to 12	200	630	44.5 x 14.25	Oxygen	5 PC Pins

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