



PRODUCT VALIDATION:
 THE PARAMETERS OF THE PRODUCT SPECIFICATION 4, 5, 6 AND 7 ABOVE SHOULD BE MAINTAINED FOR THE TESTS STATED BELOW:

1. MEASUREMENT WILL BE DONE AT -20°C, +20°C AND +50°C.
2. WATER RESISTANCE: TO BE FREE FROM ABNORMALITY AFTER TESTED AS SPECIFIED ABOVE IN S1 JIS D0203.
3. VIBRATION RESISTANCE: REQUIREMENTS SPECIFIED ABOVE AFTER SUBJECTING AS VIBRATED TO 70m/s² 33.3Hz (2000C/MIN) UP/DOWN FOR 4H; RIGHT/LEFT FOR 2H AND FRONT/REAR FOR 2H UNDER STAGE 70 JIS D 1601
4. DURABILITY: REQUIREMENTS SPECIFIED ABOVE SHALL BE SATISFIED AFTER SUBJECTED TO TEST OF CONSECUTIVE 500H AT TEST VOLTAGE OF +2840.1V AT ROOM TEMPERATURE.
5. SURGE VOLTAGE RESISTANCE: TO BE FREE FROM ABNORMALITY FOR UP TO 10msec AT 80 VOLTS.

- NOTES:
1. FINISH: BLACK ABS PLASTIC
 2. FOR PRODUCT LABEL REFER TO LATEST REVISION OF DRAWING BE-002833-XX-14.
 3. FOR GIFTBOX LABEL REFER TO LATEST REVISION OF DRAWING BE-002834-XX-14.
 4. "R TRIANGLE" INDICATES CHANGES MADE TO REVISION OF DRAWING AS IDENTIFIED IN NOTES.

PROPRIETARY NOTICE
 THIS DESIGN AND TECHNICAL INFORMATION APPEARING ON THIS DRAWING IS THE PROPERTY OF BRIGADE ELECTRONICS, AND IS DISCLOSED IN CONFIDENCE. IT IS NOT TO BE COPIED, REPRODUCED, REVEALED TO OR EXPROPRIATED BY OTHERS, EITHER IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN CONSENT OF BRIGADE ELECTRONICS.

- PRODUCT SPECIFICATIONS:
1. RATED VOLTAGE: 12V, 24VDC
 2. WORKING VOLTAGE RANGE: 9V ~ 32VDC
 3. OPERATIONAL TEMPERATURE RANGE: -20°C TO +50°C
 4. SOUND PRESSURE: SOUND PRESSURE IS MEASURED AT A DISTANCE OF 1M IN FRONT OF BODY AT A HEIGHT OF 1M ABOVE GROUND AT RATED VOLTAGE. NOTE: THE FIGURES BELOW SHALL BE SATISFIED AT OPERATING VOLTAGE BETWEEN 11V AND 32VDC.
- AT TEMPERATURE +20°C.
 NORMAL MODE: 90±4dB(A),
 FOR OPERATIONAL TEMPERATURE RANGE:
 NORMAL MODE: 90±4/-7dB(A)
5. RATED CURRENT: LESS THAN 200mA AT RATED VOLTAGE.
 6. FREQUENCY: 1150±200Hz AS POWERED AT RATED VOLTAGE.
 7. INTERMITTENCY: 72±10 CYCLES/MIN. AT RATED VOLTAGE.
 ON/OFF DUTY CYCLE 50±10%.

ITEM	PART NO	QTY	MODEL/DESCRIPTION
①	4591	1	BA-32-A ALARM ONLY (NO DRAWING)
②	3587	1	BACKALARM INSTRUCTION MANUAL (NOT SHOWN)
③	4577	1	CAB WARNING STICKER FOR ALARM (NOT SHOWN)

BRIGADE
 www.brigade-electronics.com

 Third Angle	Assembly Pl Approval KILDA	Approved by GPLITH	Checked by RBATES	Drawn by LBRAR
	Angle of Projection	Units mm	Scale N/A	Released 11/11/13
	Status RELEASED			Assembly Ref BA-32
	Part No 0993A			BE-002725-01-13