

Prüfbericht - Nr.: L113065909		Seite 1 von 1	
Test Report No.:		Page 1 of 1	
Auftraggeber: Client:	Gainta Industries Ltd. 1F., No. 30, Lane 54, Chung Cheng Road, Hsin Tien City, Taipei Hsien, Taiwan R.O.C.		
Gegenstand der Prüfung: Test Item:	Sealed enclosure		
Bezeichnung: Identification:	BSX ₁ X ₂ MF, BSX ₁ X ₂ (see attachment 1 for detail)	Serien-Nr.: Serial No.:	Engineering sample
Wareneingangs-Nr.: Receipt No.:	16850	Eingangsdatum: Date of Receipt:	20/06/2005
Prüfart: Testing Location:	TÜV Rheinland Taiwan Ltd., Taichung Lab. 10F, No. 219, Min Chuan Road, Taichung 403, Taiwan, R.O.C.		
Prüfgrundlage: Test Specification:	IEC 60529: 2001		
Prüfresultat: Test Result:	Der vorstehend beschriebene Prüfgegenstand wurde geprüft und entspricht oben genannter Prüfgrundlage. The a. m. test item passed.		
Prüflaboratorium: Testing Laboratory:	TÜV Rheinland Taiwan Ltd., Taichung Lab.		
zusammengestellt/ compiled by:		kontrolliert/ reviewed by:	
12.07.2005	Jordan Wu	25.07.2005	Bernd Scheirer
Datum Date	Name Name	Unterschrift Signature	Unterschrift Signature
Sonstiges/ Other Aspects:			
This test report consists of : 2 pages to IP67 test acc. to IEC 60529 1 pages of model list as attachment 1			
Abkürzungen:		Abbreviations:	
ok / P = entspricht Prüfgrundlage		ok / P = passed	
fall / F = entspricht nicht Prüfgrundlage		fall / F = failed	
n.a. / N = nicht anwendbar		n.a. / N = not applicable	
<p>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</p> <p><i>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i></p>			

TEST REPORT

IEC 60529

**Degrees of protection provided by enclosures
(Partially for IP65 test)**

Report reference No..... : L113065909
Compiled by (+ signature)..... : see cover sheet
Approved by (+ signature) : see cover sheet
Date of issue..... : see cover sheet

Testing laboratory..... : TÜV Rheinland Taiwan Ltd., Taichung Laboratory.
Address..... : 10F, No. 219, Min Chuan Road, Taichung 403, Taiwan, R.O.C.
Testing location : as above

Applicant..... : Gainta Industries Ltd.
Address..... : 1F., No. 30 , Lane 54 , Chung Cheng Road , Hsin Tien City , Taipei
Hsien , Taiwan R.O.C.

Standard : IEC 60529: 2001
Test Report Form No. : T529B
TRF originator. : TÜV Rheinland Taiwan Ltd., Taichung Laboratory.
Master TRF..... : 02.2002
Copyright blank test report..... : TÜV Rheinland Taiwan Ltd., Taichung Laboratory.

Test procedure : TÜV Rheinland-Partial Test Report
Procedure deviation : N.A.
Non-standard test method : N.A.

Type of test object..... : Sealed enclosure
Model/type reference : BSX₁X₂MF series, BSX₁X₂ series (see attachment 1 for detail)

Possible test case verdicts:
- test case does not apply to the test object..... : N(.A.)
- test object does meet the requirement..... : P(ass)
- test object does not meet the requirement..... : F(ail)

Clause numbers between brackets refer to clauses in IEC 60529.
"(see remark #)" refers to a remark appended to the report.
"(see Annex #)" refers to an annex appended to the report.
Throughout this report a point is used as the decimal separator.
The test results presented in this report relate only to the object tested.
This report shall not be reproduced except in full without the written approval of the testing laboratory.
BSX₁X₂MF series is a metal enclosure with additional construction for fixing while BSX₁X₂ series is a metal enclosure without additional construction for fixing.
Difference among BSX₁X₂MF series is that dimensions are different as listed in attachment 1.

Difference among BSX₁X₂ series is that and dimensions are different as listed in attachment 1.

BS21 and BS37MF are the representative models for IP67 test.

The IP67 tests are based on IEC 60529 only, no any other product standard is referred.

Clause	Requirement-Test	Result – Remark	Verdict
13.4	Test for first characteristic numeral 6 in dust chamber:		P
	Test condition: Dust chamber contain 2kg of talcum powder for per cubic metre of its volume. - Test duration : 8 hr	The enclosure is in category 1. After test, no deposit of talcum powder inside enclosure.	P
14.2.7	Test for second characteristic numeral 7: temporary immersion between 0.15m and 1m		P
	Test condition: sample completely immersed in water in its normal service position Dept of immersion: 1m Duration of test: 30 min	No water entered the enclosure	P

Model : BSX₁X₂MF Series

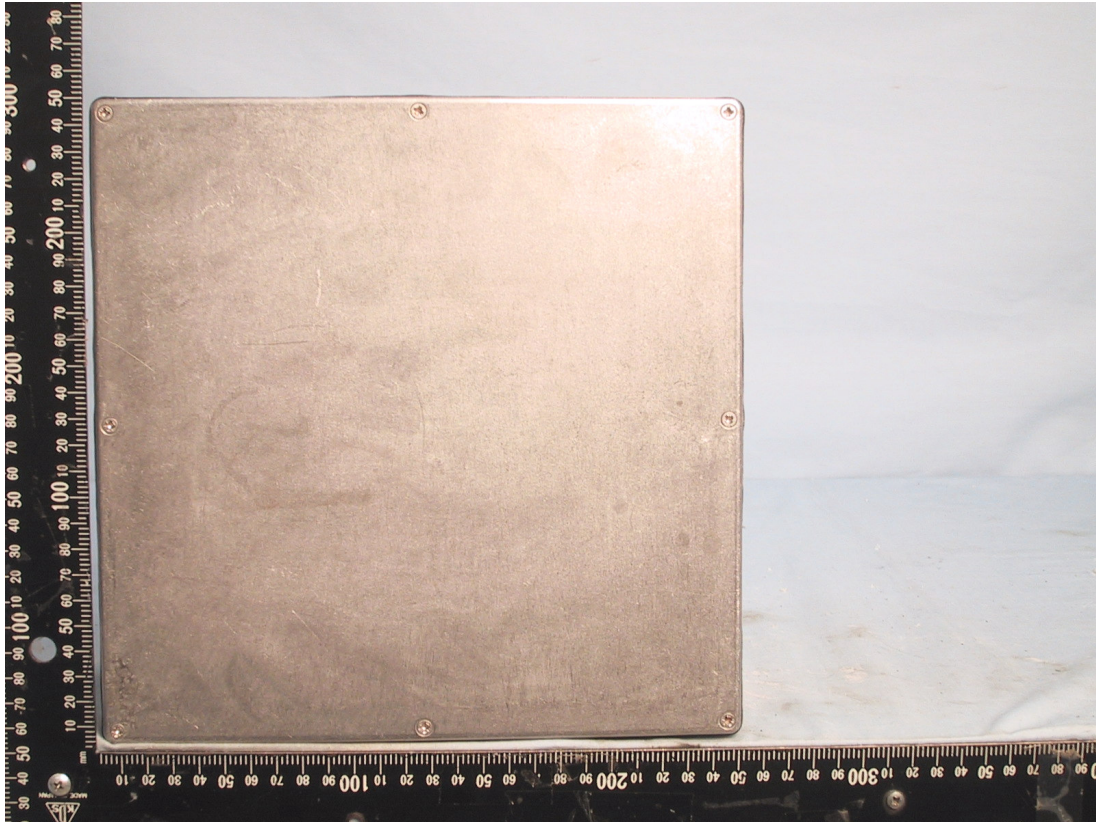
Model No.	External Dimensions (mm)
BS37MF	89.1 × 35.1 × 31.3
BS13MF	114.6 × 63.8 × 31.3
BS25MF	114.6 × 89.7 × 56.2
BS15MF	114.6 × 63.8 × 56.0
BS27MF	172.2 × 121.2 × 56.5
BS39MF	172.2 × 121.2 × 106.5
BS11MF	222.3 × 145.9 × 58.2
BS29MF	139.3 × 101.6 × 77.5
BS33MF	165.3 × 127.2 × 77.5
BS23MF	120.1 × 100.2 × 36.6

Model : BSX₁X₂Series

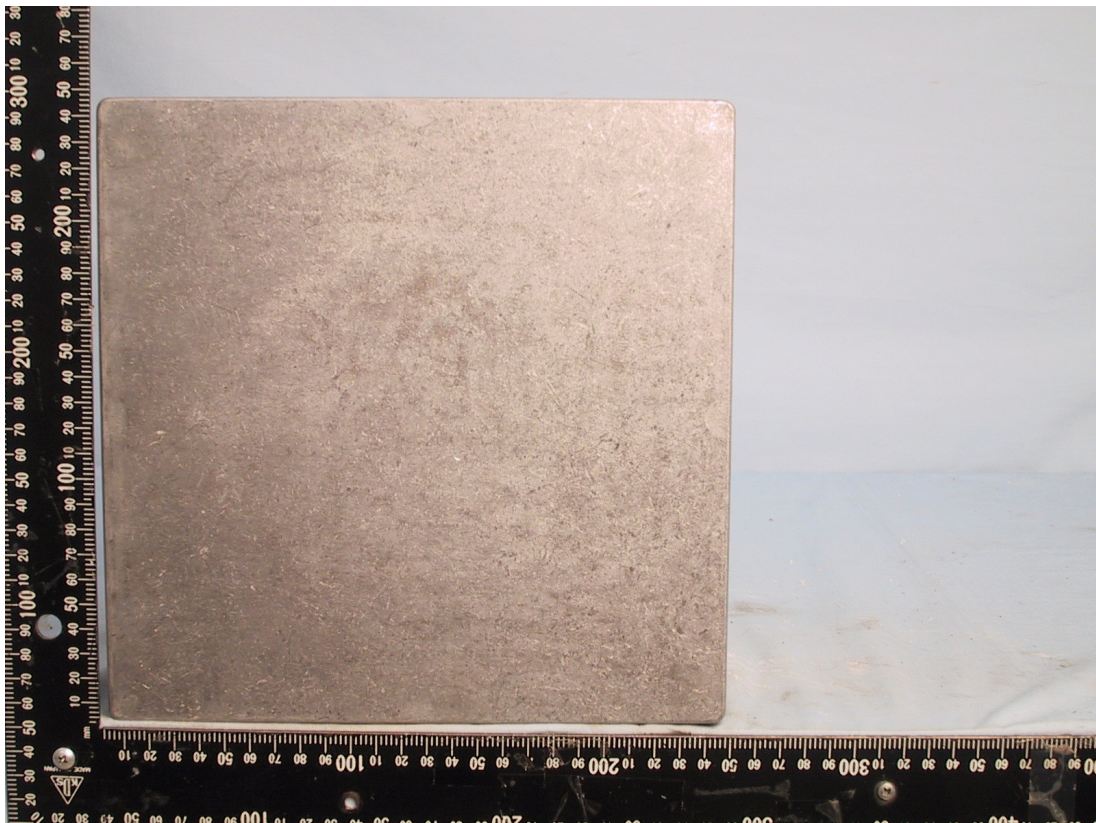
Model No.	External Dimensions (mm)
BS37	89.1 × 35.0 × 31.3
BS13	114.5 × 63.6 × 31.3
BS25	114.7 × 89.7 × 56.1
BS15	114.4 × 63.7 × 56.1
BS27	172.2 × 121.2 × 56.5
BS39	172.2 × 121.2 × 107.1
BS11	222.3 × 145.9 × 57.2
BS17	222.3 × 145.9 × 107.1
BS19	275.0 × 175.0 × 66.5
BS29	139.1 × 101.5 × 77.7
BS33	165.3 × 127.2 × 77.5
BS23	119.9 × 100.0 × 36.7
BS21	250.2 × 250.2 × 101.5
BS31	79.9 × 54.9 × 31.3
BS35	60.0 × 54.9 × 31.0

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Model: BSX₁X₂, BSX₁X₂MF



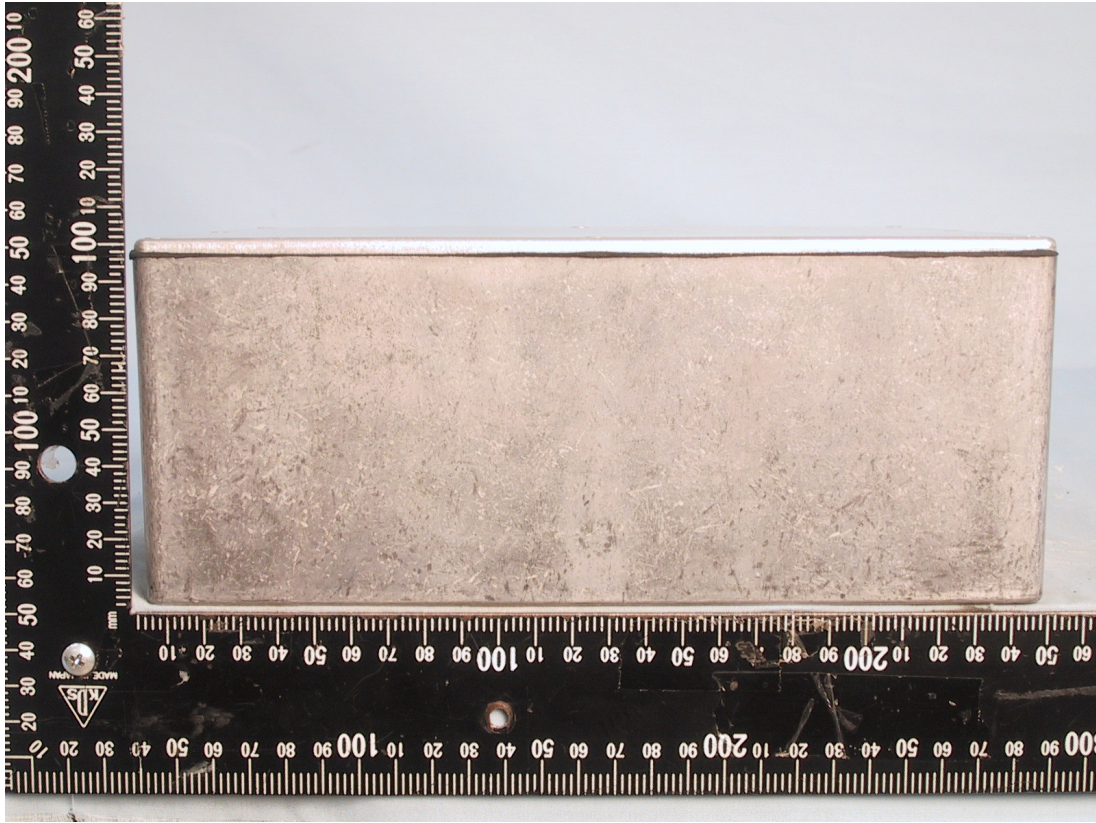
Picture 1 BSX₁X₂



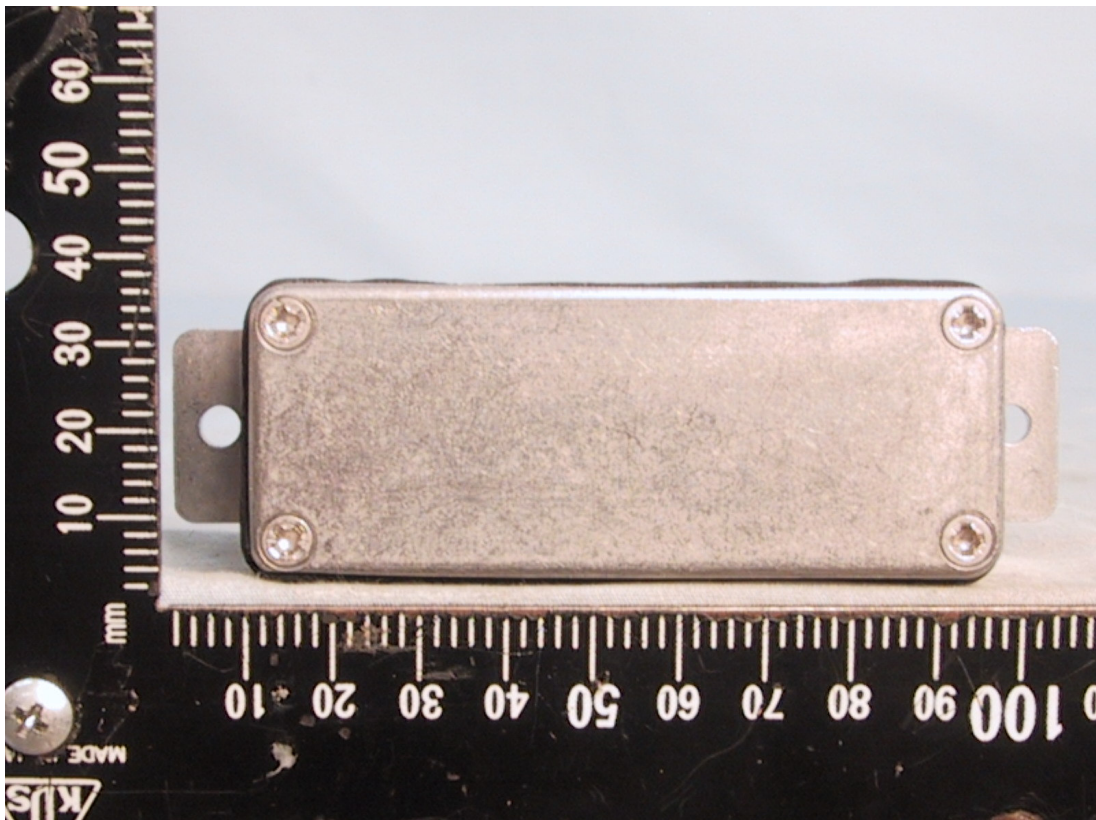
Picture 2 BSX₁X₂

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Model: BSX₁X₂, BSX₁X₂MF



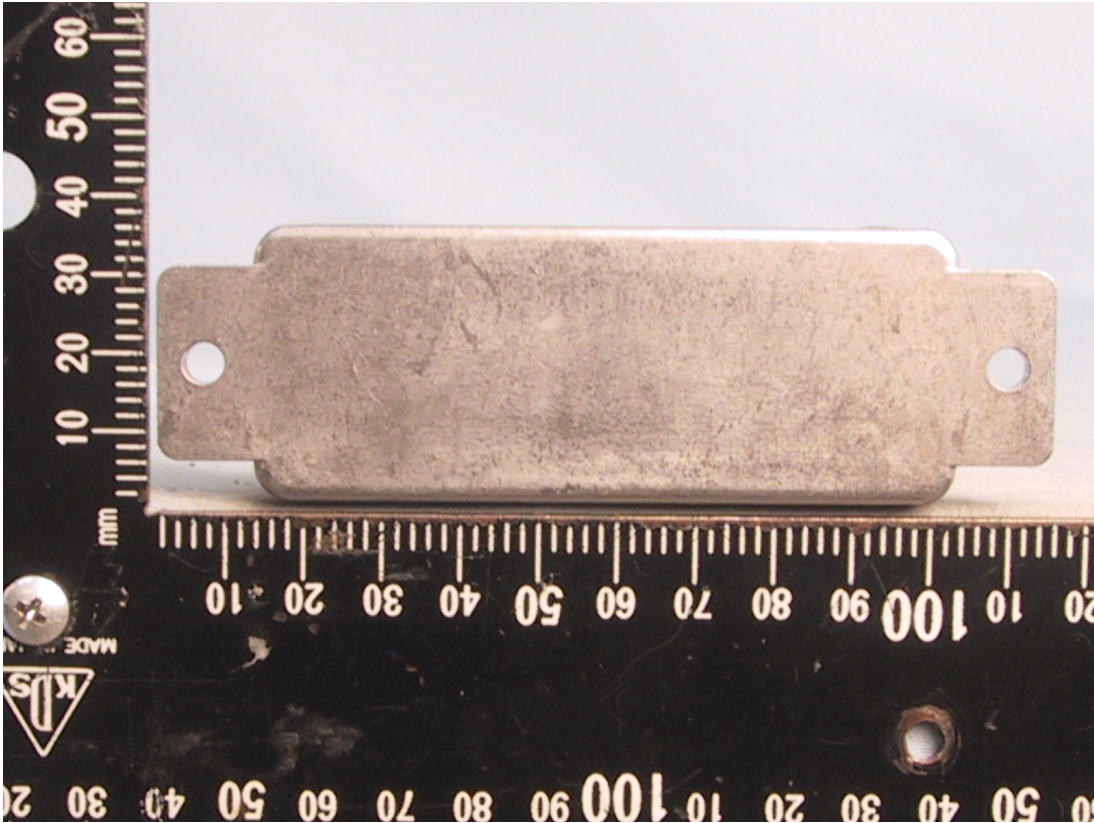
Picture 3 BSX₁X₂



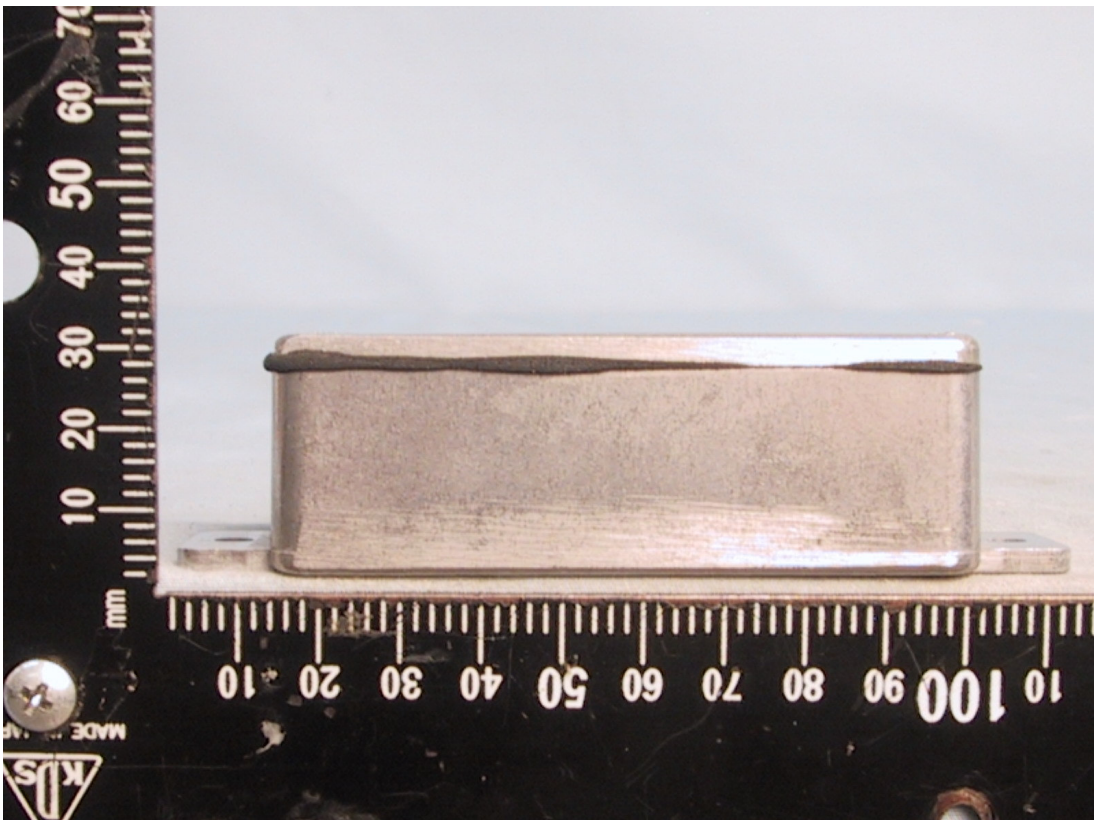
Picture 4 BSX₁X₂MF

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Model: BSX₁X₂, BSX₁X₂MF



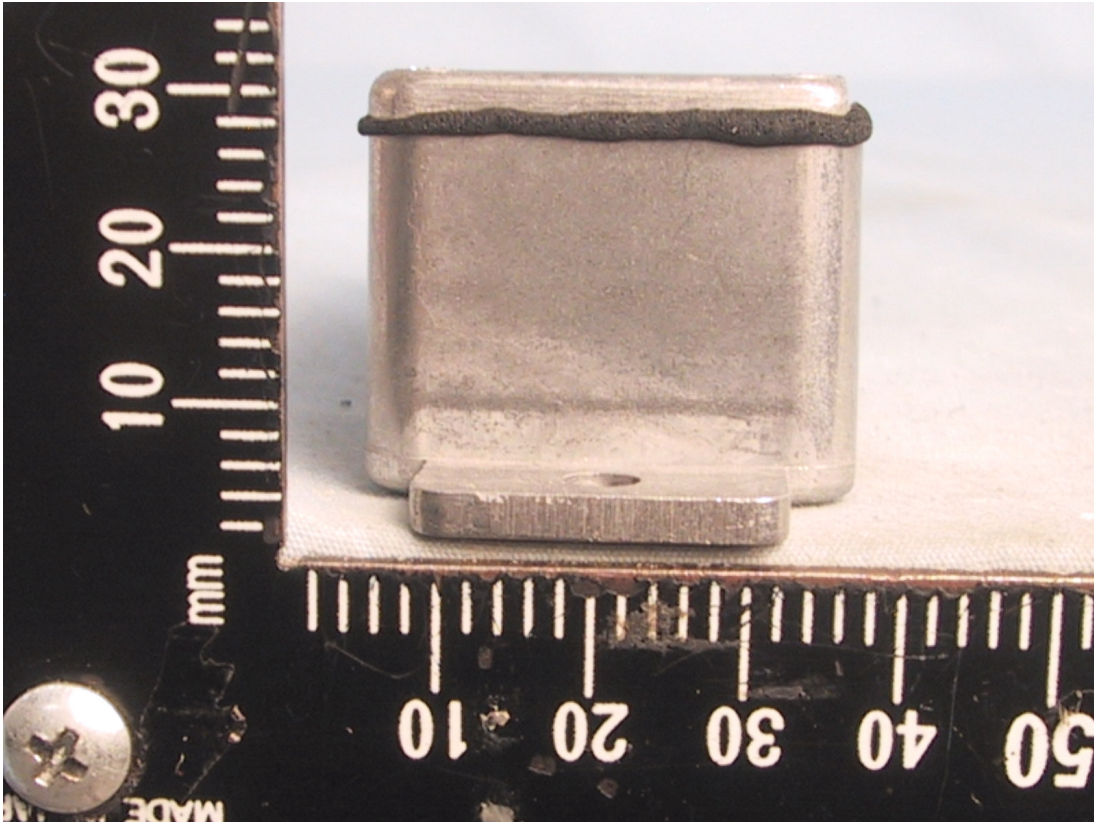
Picture 5 BSX₁X₂MF



Picture 6 BSX₁X₂MF

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Model: BSX₁X₂, BSX₁X₂MF



Picture 7 BSX₁X₂MF