1813 FM

Zoppas Industries Div. Rica ISO 9001 BSI Registered Firm QUALITY SYSTEM	ESCC Comp. No 4009/00233B Lot No. 0538A Specific Heater Identificat. No. R0632 IRCA div. RICA code 1EFISE980001	Generic Spec 4009 ISS. 2 Detail Spec 4009/002 ISS 3 Document No __1 OF _3

(Chart F2) PRODUCTION CONTROL

Tests performed	Comp. tested	Comp. accepted	Comp. rejected
Robusteness of terminations (Para 5.2.1)	20	20	0
Dimension Check (Para 5.2.1)	3	3	0
Weight (Para 5.2.3)	N. A.	N. A.	N. A.

Test result : The tests above resulted : [X] Positive [ ] Negative

Chief inspector : Mattiuz L. Signature: Mattiuz L.

Quality inspector : Masut A Signature: Masut A.

Date : 07/11/05

Zoppas Industries Div. Rica ISO 9001 BSI Registered Firm QUALITY SYSTEM	ESCC Comp No. 4009/00233B Lot No. 0538A Specific Heater Identificat No. R0632 IRCA div RICA code 1EFISE980001	Generic Spec. 4009 ISS. 2 Detail Spec 4009/002 ISS. 3 Document No _2 OF _3

(Chart F3) –SCREENING TESTS

Tests performed	Comp. tested	Comp. accepted	Comp. rejected
Elect. meas. at room temp. (para 8 1.3)	20	20	0
Rapid change of temperature (Para 8 2)	20	20	0
Overolad (5 samples) (Para 8.3)	5	5	0
Burn - In 168 hours (para 8.4) 168 Hours at Pn.	20	20	0
High and Low Temperatures Electrical Measurements (3 samples) (para 8.1.2)	3	3	0
Elect. meas. at room temp. (para 8.1.3) Insulation >1000 MΩ Vp 500 Vrms * 1 min	20	20	0
Check for lot failure (para 6 4)	20	20	0
External visual Inspection (para 8.5)	20	20	0

Test result : The tests above resulted : [X] Positive [ ] Negative

Chief inspector : Mattiuz L. Signature:___ Mattiuz L.

Quality inspector : Masut A. Signature:___ Masut A.

Date : 07/11/05

Zoppas Industries Div. Rica ISO 9001 BSI Registered Firm QUALITY SYSTEM	ESCC Comp No. 4009/00233B Lot No 0538A Specific Heater Identificat. No R0632 IRCA div. RICA code 1EFISE980001	Generic Spec 4009 ISS. 2 Detail Spec. 4009/002 ISS. 3 Document No _3 OF _3

Declaration of quality and conformity

Customer **GAVAZZI SPACE**	C.o.C. No. **1462 / 2005**	Batch No. **526527530**	**Purchase Order No. 50874**
Description **ETCHED FOIL**	Cust. Code	Batch Quantity **20**	Lot Quantity **20**
Production line **EF**	RICA Part No **1EFISE980001**		SCC Component No. **4009/00233B**
Preproduction **FLIGHT MODEL**	Ref. Document **ESCC 4009 Iss. 2** **4009/002 Iss. 3**	**Serial No.** **1 to 20**	Specific heater identification **R0632**

Characteristics on Control

Characteristics	**Requirements**	**Measured**	**Note**
Ohmic Value (Ohm)	**2850 +- 2 %**	OK	
Ohmic Value (Ohm)	**2850 +- 2 %**	OK	
Electrical insulation (Mohm)	> 1.000 Mohm	OK	
Dielectric Strength (V x min.)	500 V * 1 Min.	OK	
Compliance to ESCC 4009 Iss. 2 - 4009/002 Iss. 3 **CHART F 2**	Conformity	OK	
Compliance to ESCC 4009 Iss. 2 - 4009/002 Iss. 3 **CHART F 3**	Conformity	OK	
PDA	Number of failed components allowed is 5% of those submitted to Burn In and electrical measurements	Detected : None	

It is certified that supplies hereon have been produced and tested in accordance with conditions and requirements of contract and purchase order and, unless otherwise stated, conform in all respect to the specifications and relevant drawings.

Note :	Inspector Signature : Mattiuz L.	Date : **08/11/05**