

# Zertifikat

# Certificate



Zertifikat Nr. Certificate No.  
R 60007460

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0001

Ihr Zeichen Client Reference

Unser Zeichen Our Reference  
0001-- 02850164 002

Ausstellungsdatum

16.04.2004

Date of Issue  
(day/mo/yr)

Genehmigungsinhaber License Holder

Syfer Technology LTD.  
Old Stoke Road  
Norwich, NR 14 8SQ  
United Kingdom

Fertigungsstätte Manufacturing Plant

Syfer Technology LTD.  
Old Stoke Road  
Norwich, NR 14 8SQ  
United Kingdom

Prüfzeichen Test Mark



Geprüft nach Tested acc. to

EN 132400:1994+A2+A3+A4

Zertifiziertes Produkt (Geräteidentifikation)  
Certified Product (Product Identification)

Lizenzentgelte - Einheit  
License Fee - Unit

Capacitor / Fixed Monolithic Ceramic Chip Capacitor

Model Designation: 1808JA25xxxxyzuSY2

(u,x,y,z: refer to Appendix)

Rated Voltage: AC 250 V

Class / Subclass: Y2, X1

Rated Capacity: 4.7 pF - 220 pF (z=COG)

150 pF - 680 pF (z=X7R)

Category: 55/125/56/C

Special Remark: Tested acc. to table II Safety Tests  
of IEC 60384-14:1993+A1.

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ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln

Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com

Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety

Zertifizierungsstelle



Dipl.-Ing. F. Möcking

Constructional Data Form for Capacitor

Licenseholder : Syfer Technology Ltd  
Old Stoke Road, Arminghall Norwich, Norfolk NR14 8SQ

Factory : Syfer Technology Ltd  
(full address) Old Stoke Road, Arminghall Norwich, Norfolk NR14 8SQ

Type or Model Number : SY2  
Kind of device: Chip Capacitor

Rated voltage (U<sub>R</sub>) AC 250V  
Frequency 50/60Hz  
Capacitor Class and sub class Y2/X1  
Rated Capacitance (C<sub>R</sub>) and Tolerance COG = 4.7pF – 220pF. See table 2 for Tol.  
X7R = 150pF – 680pF. See table 2 for Tol  
Mounting PCB  
Termination type Termination bands  
Dimensions See page 2

Component parts:

Component	Manufacturer	Material name	Flame class	PTI
Dielectric Material	Ferro Electronic Materials	X7R262L / COG 150L / COG900L	N/A	175/200
Dielectric Thickness	>74uM		N/A	
Number of Individual layers	3 To 50 depending on capacitance value		N/A	
Electrode Material	DMC2	Silver / Palladium Electrode Paste	N/A	175/200
Electrode	Screen Printing		N/A	
Kind of generating				
Capacitor Element arrangement	Sectional or Series construction		N/A	
Impregnant	N/A		N/A	175/200
Encapsulation material	N/A		N/A	175/200

Köln, den

NORWICH

(Place)

16/12/2003

(Date)

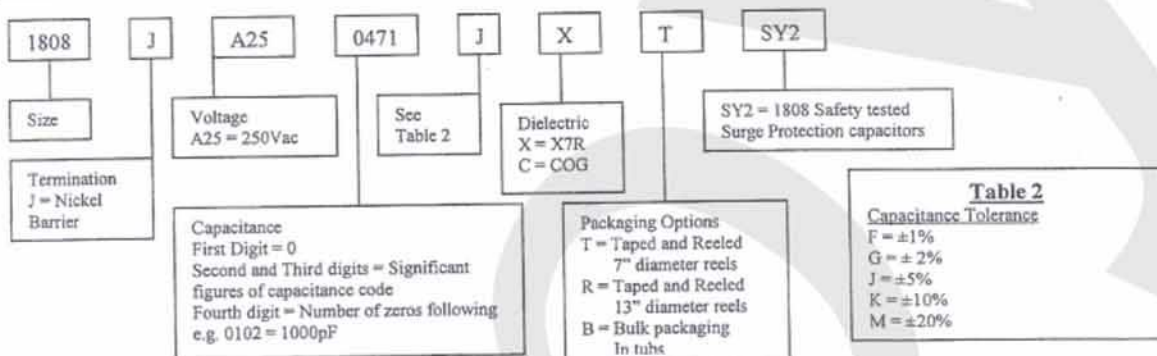
TÜV Rheinland  
Product Safety GmbH

(Stamp and Signature of Applicant)

26/02/04

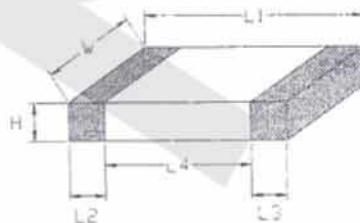
Constructional Data Form for Capacitor

Ordering Information



Mechanical Specification

Syfer Size	1808
Length (L1) mm	4.50 ± 0.35
Width (W) mm	2.00 ± 0.30
Thickness (H) mm	2.00 Max.
Termination Bands mm (L2, L3)	0.25 – 0.80mm
Creepage Distance (L4)	2.50 Min.
Termination Material	Nickel Barrier
Solderability	IEC 68-2-20



Marking

Marking code to consist of Syfer logo (S), and Y2 to define the classification.

Köln, den

TÜV Rheinland  
Product Safety GmbH

*[Signature]*  
26/02/04

Norwich  
(Place)

16/12/2003  
(Date)

*[Signature]*  
(Stamp and Signature of Applicant)

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 60007460

Blatt *Page*  
0002

Ihr Zeichen *Client Reference*

Unser Zeichen *Our Reference*  
0001-- 02850164 004

Ausstellungsdatum  
22.09.2004

*Date of Issue*  
(day/mo/yr)

**Genehmigungsinhaber *License Holder***  
Syfer Technology LTD.  
Old Stoke Road  
Norwich, NR 14 8SQ  
United Kingdom

**Fertigungsstätte *Manufacturing Plant***  
Syfer Technology LTD.  
Old Stoke Road  
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Prüfzeichen *Test Mark*

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Dipl.-Ing. F. Schuh