



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





# SAW filters for mobile communications

## Series/Type: **B4064**

The following products presented in this data sheet are being withdrawn.

| Ordering Code   | Substitute Product | Date of Withdrawal | Deadline Last Orders | Last Shipments |
|-----------------|--------------------|--------------------|----------------------|----------------|
| B39811B4064U810 |                    | 2008-03-14         | 2008-08-31           | 2008-10-15     |

For further information please contact your nearest EPCOS sales office, which will also support you in selecting a suitable substitute. The addresses of our worldwide sales network are presented at [www.epcos.com/sales](http://www.epcos.com/sales).



**SAW Components**

**B4064**

**Low-Loss Filter**

**810,0 MHz**

**Data Sheet**

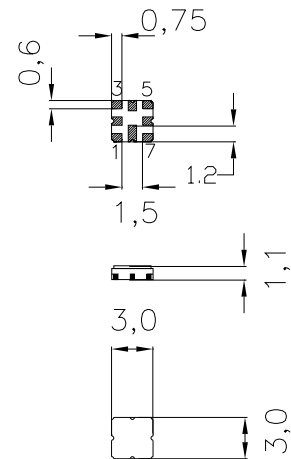
SMD ceramic package **QCC8D**

**Features**

- Low loss IF filter for HiperLAN
- Balanced to balanced operation
- Package for **Surface Mounted Technology (SMT)**

**Terminals**

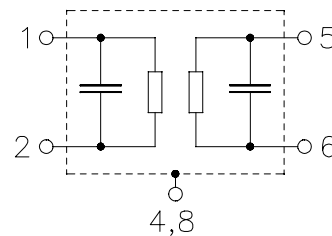
- Ni, gold-plated



Dimensions in mm, approx. weight 0,037 g

**Pin configuration**

- 1 Input
- 2 Input
- 5 Output
- 6 Output
- 3, 7 To be grounded
- 4, 8 Case - ground



| Type  | Ordering code     | Marking and Package according to | Packing according to |
|-------|-------------------|----------------------------------|----------------------|
| B4064 | B39811-B4064-U810 | C61157-A7-A72                    | F61074-V8101-Z000    |

Electrostatic Sensitive Device (ESD)

**Maximum ratings**

|                            |           |           |     |                               |
|----------------------------|-----------|-----------|-----|-------------------------------|
| Operable temperature range | $T$       | - 40/+ 85 | °C  |                               |
| Storage temperature range  | $T_{stg}$ | - 40/+ 85 | °C  |                               |
| DC voltage                 | $V_{DC}$  | 3         | V   |                               |
| Source power               | $P_s$     | 0         | dBm | source impedance 200 $\Omega$ |



**SAW Components**

**B4064**

**Low-Loss Filter**

**810,0 MHz**

**Data Sheet**

**Characteristics**

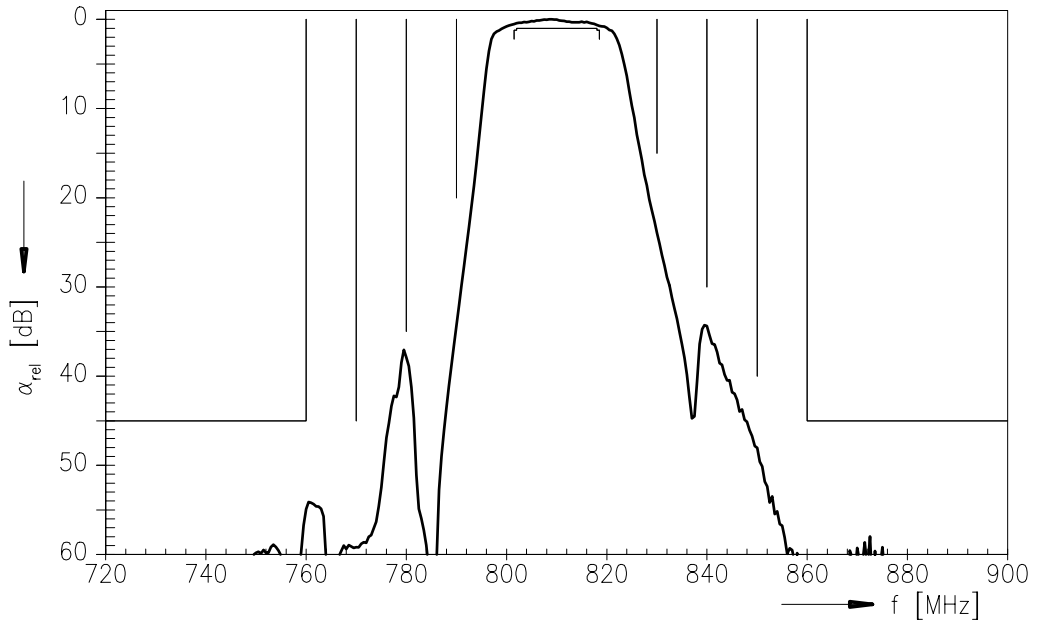
Operating temperature range:  $T_A = 0 \dots +70 \text{ }^\circ\text{C}$   
 Terminating source impedance:  $Z_S = 200 \text{ } \Omega$   
 Terminating load impedance:  $Z_L = 200 \text{ } \Omega$

|  |  | min. | typ.  | max. |     |
|--|--|------|-------|------|-----|
| <b>Nominal frequency</b>   | $f_N$  | —    | 810,0 | —    | MHz |
| <b>Minimum insertion attenuation</b>                                 | $\alpha_{\min}$  | —    | 1,7   | 4,0  | dB  |
| <b>Band width</b>  | $B_{1\text{dB}}$   | —    | 20    | —    | MHz |
|  | $B_{3\text{dB}}$   | —    | 25    | —    | MHz |
| <b>Amplitude ripple in passband (p-p)</b>                            | $\Delta\alpha$   |      |       |      |     |
|  | $f_N \pm 8,0 \text{ MHz}$  | —    | 0,6   | 1,0  | dB  |
|  | $f_N \pm 8,5 \text{ MHz}$  | —    | 0,7   | 1,2  | dB  |
| <b>Group delay ripple (p-p)</b>                                      | $\Delta\tau$   |      |       |      |     |
|  | $f_N \pm 8,5 \text{ MHz}$  | —    | 25    | 50   | ns  |
| <b>Relative attenuation (relative to <math>\alpha_{\min}</math>)</b> | $\alpha_{\text{rel}}$  |      |       |      |     |
|  | $f_N - 20,0 \text{ MHz}$   | 20   | 34    | —    | dB  |
|  | $f_N + 20,0 \text{ MHz}$   | 15   | 22    | —    | dB  |
|  | $f_N - 30,0 \text{ MHz}$   | 35   | 37    | —    | dB  |
|  | $f_N + 30,0 \text{ MHz}$   | 30   | 34    | —    | dB  |
|  | $f_N - 40,0 \text{ MHz}$   | 45   | 55    | —    | dB  |
|  | $f_N + 40,0 \text{ MHz}$   | 40   | 48    | —    | dB  |
|  | $f_N - 500 \text{ MHz} \dots f_N - 50,0 \text{ MHz}$<br>$f_N + 50,0 \text{ MHz} \dots f_N + 500 \text{ MHz}$ | 45   | 54    | —    | dB  |
|  | 45   | 58   | —     | dB   |     |

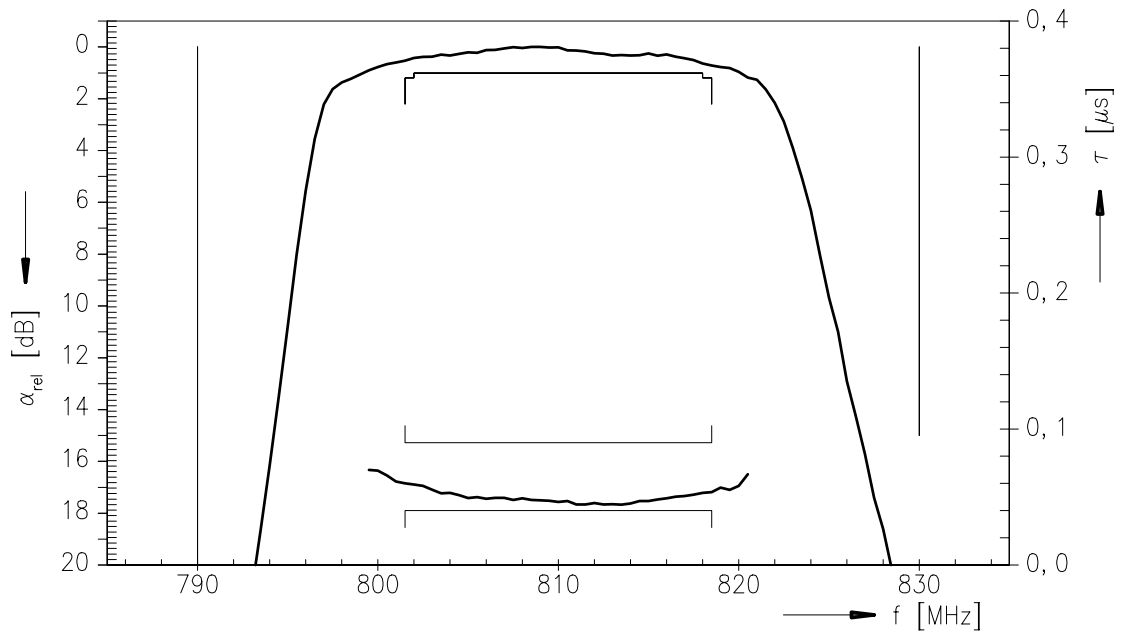


Data Sheet

Normalized frequency response



Normalized frequency response (pass band)





**SAW Components**

**B4064**

**Low-Loss Filter**

**810,0 MHz**

Data Sheet

**Published by EPCOS AG**

**SAW MC WT, P.O. Box 80 17 09, 81617 Munich, GERMANY**

**☎ ++49 89 636 09, FAX (0 89) 636-2 26 89**

© EPCOS AG 2002. Reproduction, publication and dissemination of this brochure and the information contained therein without EPCOS' prior express consent is prohibited.

Purchase orders are subject to the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry recommended by the ZVEI (German Electrical and Electronic Manufacturers' Association), unless otherwise agreed.

This brochure replaces the previous edition.

For questions on technology, prices and delivery please contact the Sales Offices of EPCOS AG or the international Representatives.

Due to technical requirements components may contain dangerous substances. For information on the type in question please also contact one of our Sales Offices.