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RF Filters for Cellular Phones

The following products presented in this data sheet are being withdrawn.

| Ordering Code | Substitute Product | Date of Withdrawal | Deadline Last Orders | Last Shipments |
|-----------------|--------------------|--------------------|----------------------|----------------|
| B39881B7751E410 | | 2006-12-01 | 2007-02-28 | 2007-05-31 |

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.



SAW Components

Data Sheet B7751

Data Sheet



EPCCO

- GSM 850 systems, receive path
- Low amplitude ripple
- Usable passband 25 MHz
- Unbalanced to balanced operation
- Ceramic package for **Surface Mounted Technology (SMT)**

Terminals

- Ni, gold-plated

Dimensions in mm, approx.

Pin configuration

| | |
|---------|------------------|
| 2 | Unbalanced input |
| 4, 6 | Balanced outputs |
| 1, 3, 5 | To be grounded |

| Type | Ordering code | Marking and Package according to | Packaging according to |
|-------|-------------------|----------------------------------|------------------------|
| B7751 | B39881-B7751-E410 | C61157-A7-A101 | F6107 |

Electrostatic Sensitive Device (ESD)

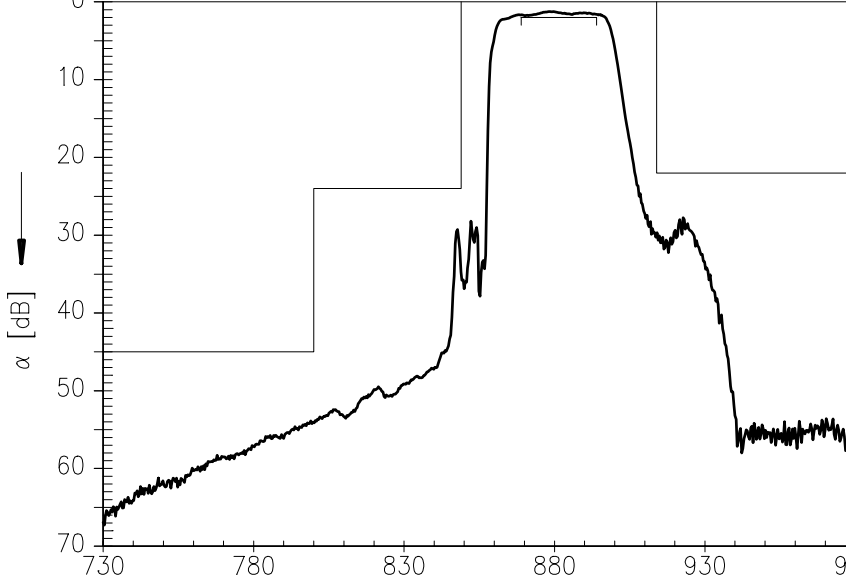
Maximum ratings

| | | | | |
|---|-----------|-------------|-----|------------------------------|
| Operable temperature range | T | - 30 / + 85 | °C | peak power and duty cycle 4: |
| Storage temperature range | T_{stg} | - 40 / + 85 | °C | |
| DC voltage | V_{DC} | 5 | V | |
| ESD | V_{ESD} | 100 | V | |
| Input power at GSM850, GSM900, GSM1800 and GSM1900 Tx bands | P_{IN} | 15 | dBm | |

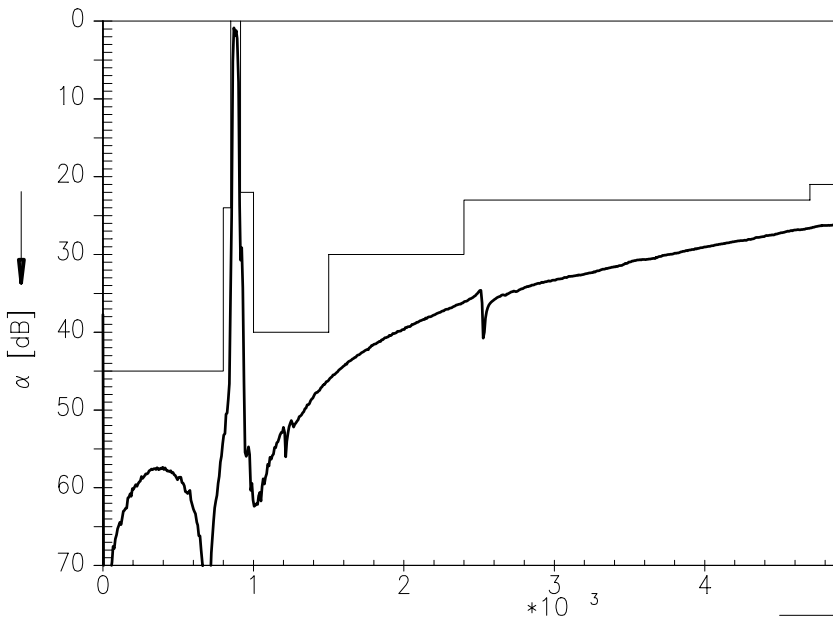
Terminating source impedance:
Terminating load impedance:

$Z_S = 50 \Omega$
 $Z_L = 50 \Omega$ (balanced)

| | | | | min. | typ. |
|--------------------------------------|-------------------|-----|-----------------|-------------|-------------|
| Center frequency | | | f_C | — | 881,5 |
| Maximum insertion attenuation | | | α_{\max} | | |
| | 869,0 ... 894,0 | MHz | | — | 1,8 |
| Amplitude ripple (p-p) | | | $\Delta\alpha$ | | |
| | 869,0 ... 894,0 | MHz | | — | 0,6 |
| Unlanced input VSWR | | | | | |
| | 869,0 ... 894,0 | MHz | | — | 1,7 |
| Balanced output VSWR | | | | | |
| | 869,0 ... 894,0 | MHz | | — | 1,6 |
| Common mode suppression | | | S_{sc12} | | |
| | 0,1 ... 849,0 | MHz | | 20 | 50 |
| | 869,0 ... 894,0 | MHz | | 20 | 32 |
| | 914,0 ... 6000,0 | MHz | | 20 | 27 |
| Attenuation | | | α | | |
| | 0,0 ... 800,0 | MHz | | 45 | 56 |
| | 800,0 ... 849,0 | MHz | | 24 | 28 |
| | 914,0 ... 1000,0 | MHz | | 22 | 28 |
| | 1000,0 ... 1500,0 | MHz | | 40 | 46 |
| | 1500,0 ... 2400,0 | MHz | | 30 | 36 |
| | 2400,0 ... 4700,0 | MHz | | 23 | 27 |
| | 4700,0 ... 6000,0 | MHz | | 21 | 23 |



Transfer function (wideband measurement)



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This brochure replaces the previous edition.

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

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