SAW Filters
SAW Filter for mobile phones accessible to terrestrial digital TV
SL2525E770M830D10TA1/ SL2525E770M898D27WA0

Features
- SAW filter for mobile phones accessible to terrestrial digital TV
- Low loss characteristics in the terrestrial digital TV video signal band
- High attenuation characteristics in the mobile phone signal (TX)
- Unnecessary external matching elements
- Miniature size and light weight

How to Order

SL 2525 E 770M 830 D 10 T A 1
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩
① Type of Product (SAW Filter)
② Package Size (2.5×2.5mm)
③ Sealing Type (Au-Sn seal Type)
④ Upper frequency of passband (770MHz)
⑤ Lower frequency of attenuation band (830MHz)
⑥ Number of attenuation poles (2)
⑦ Attenuation bandwidth (10MHz)
⑧ Material (LiTa03)
⑨ Customer Special Model Suffix 1
⑩ Customer Special Model Suffix 2

Packaging (Tape & Reel 2000 pcs./ reel)

Specifications

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<td>Type</td>
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<tr>
<td>Operating Temperature Range</td>
<td>°C</td>
<td>—</td>
<td>-20 to +85</td>
<td>Storage Temperature Range</td>
<td>°C</td>
<td>—</td>
<td>-40 to +85</td>
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<tr>
<td>Insertion loss</td>
<td>dB</td>
<td>470 to 710MHz</td>
<td>1.8 max.</td>
<td></td>
<td>dB</td>
<td>710 to 770MHz</td>
<td>2.6 max.</td>
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<td>Attenuation</td>
<td>dB</td>
<td>830 to 840MHz</td>
<td>40 min.</td>
<td></td>
<td>dB</td>
<td>1920 to 1980MHz</td>
<td>50 min.</td>
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<tr>
<td>Return loss [S11]</td>
<td>dB</td>
<td>470 to 770MHz</td>
<td>13 min.</td>
<td></td>
<td>dB</td>
<td>470 to 770MHz</td>
<td>13 min.</td>
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| Type                  |      |            |                      |                        |      |            |                      |
| Type SL2525E770M830D10TA1 (For W-CDMA) | Unit | Conditions | Specifications       | Type SL2525E770M898D27WA0 (For cdma2000) | Unit | Conditions | Specifications       |
| Operating Temperature Range | °C | —          | -20 to +85           | Storage Temperature Range | °C | —          | -40 to +85           |
| Insertion loss        | dB   | 470 to 710MHz | 1.9 max.             |                               | dB   | 710 to 770MHz | 2.9 max.             |
| Attenuation           | dB   | 898 to 925MHz | 40 min.             |                               | dB   | 1920 to 1940MHz | 45 min.             |

Dimensions

(Unit: mm)

Recommended Land Pattern

(Unit: mm)

Test Circuit

Bottom View