



RoHS Compliant

Features

- Small size
- Low insertion loss
- High selectivity
- Hermetic seal

Application

- CDMA

How to Order

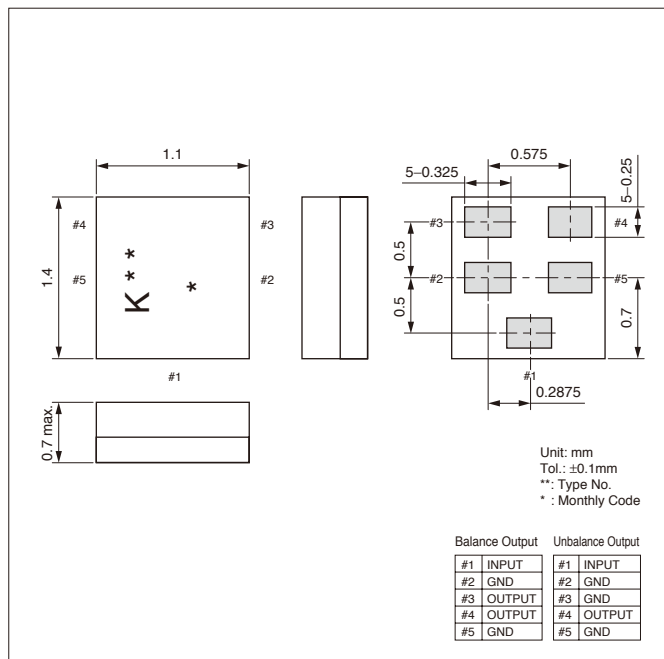
SF 14 - 0881 M 5 UB B1
① ② ③ ④ ⑤ ⑥ ⑦

- ① Type of Product (SAW Filter)
- ② Package Size
- ③ Nominal Center Frequency
- ④ Spec.
- ⑤ Number of Terminals
- ⑥ Input/ Output
- ⑦ Custom Specification (STD)

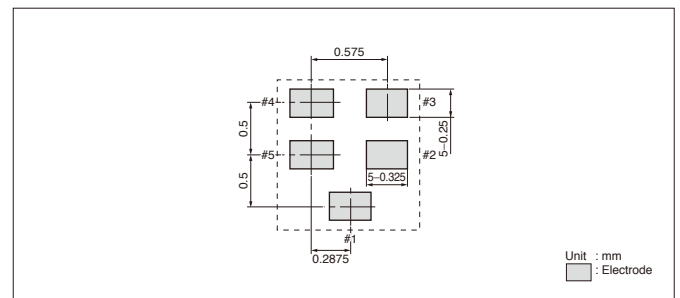
Specifications

| Part No. | Output | Application | Pass Band Frequency | Insertion Loss (dB) | Pass Band Variation (dB) | VSWR | Absolute Rejection (dB) | | | | | | Operating Temperature | Storage Temperature |
|-----------------|-----------|---------------------|---------------------|---------------------|--------------------------|----------|-------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------------|---------------------|
| | | | | | | | 10MHz | 824MHz | 915MHz | 960MHz | — | — | | |
| SF14-0881M5UBB1 | Balance | CELL Rx | 869MHz - 894MHz | 2.2 max. | 1.5 max. | 2.5 max. | 10MHz 40 min. | 824MHz 45 min. | 915MHz 23 min. | 960MHz 40 min. | — | — | -30 to +85°C | -40 to +85°C |
| SF14-0881M5UUA1 | Unbalance | CELL Rx | 869MHz - 894MHz | 2.5 max. | 1.5 max. | 2.5 max. | 10MHz 20 min. | 824MHz 46 min. | 915MHz 20 min. | 960MHz 20 min. | — | — | | |
| SF14-0836M5UUA2 | Unbalance | CELL Tx | 824MHz - 849MHz | 2.5 max. | 1.5 max. | 2.1 max. | 10MHz 30 min. | 869MHz 40 min. | 894MHz 35 min. | 1050MHz 32 min. | 1210MHz 30 min. | 1580MHz 27 min. | | |
| SF14-1960M5UBC1 | Balance | PCS Rx | 1930MHz - 1990MHz | 3.3 max. | 2.5 max. | 2.5 max. | 10MHz 40 min. | 1850MHz 24 min. | 2040MHz 30 min. | 2200MHz 40 min. | 3400MHz 40 min. | 6000MHz | | |
| SF14-1960M5UUA1 | Unbalance | PCS Rx | 1930MHz - 1990MHz | 3.0 max. | 2.0 max. | 2.5 max. | 10MHz 20 min. | 1850MHz 20 min. | 2040MHz 20 min. | 2200MHz 20 min. | 3400MHz 20 min. | 6000MHz | | |
| SF14-0833M5UUA1 | Unbalance | BC10+ Cell (BC0) Tx | 817MHz - 849MHz | 2.0 max. | 1.5 max. | 2.5 max. | 862MHz 13 min. | 1570MHz 30 min. | — | — | — | — | | |
| SF14-0878M5UBA1 | Balance | BC10+ Cell (BC0) Rx | 862MHz - 894MHz | 2.5 max. | 1.5 max. | 2.0 max. | 10MHz 40 min. | 817MHz 46 min. | 1724MHz 40 min. | 1850MHz 46 min. | 1920MHz 40 min. | 6000MHz | | |

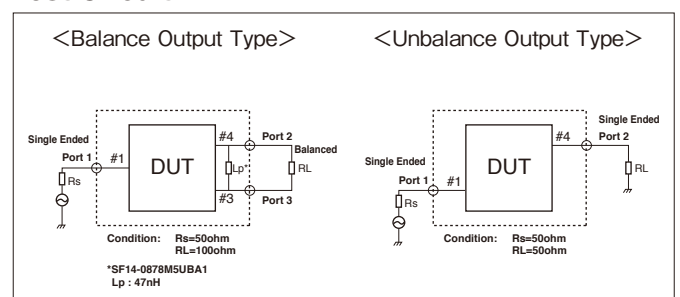
Dimensions



Recommended Land Pattern

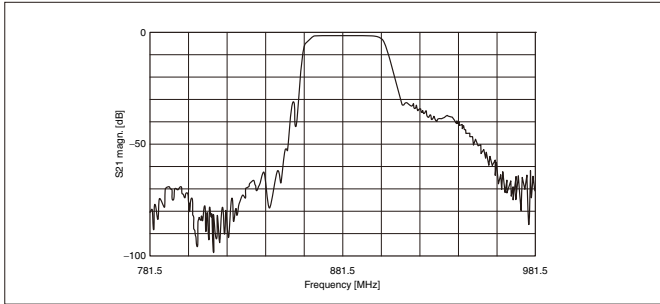


Test Circuit

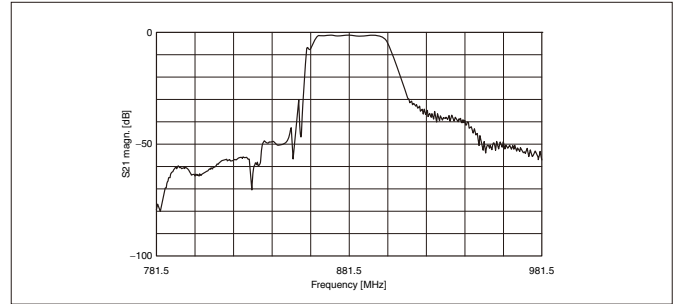


Characteristics

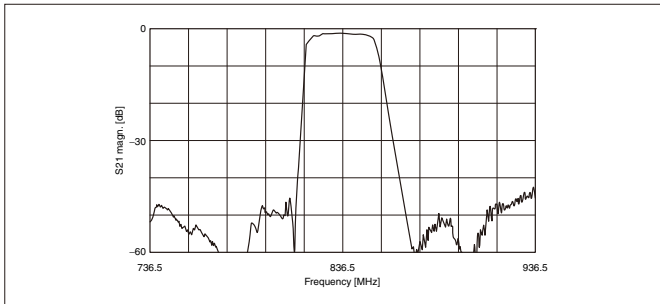
<CELL Rx> Part No.: SF14-0881M5UBB1



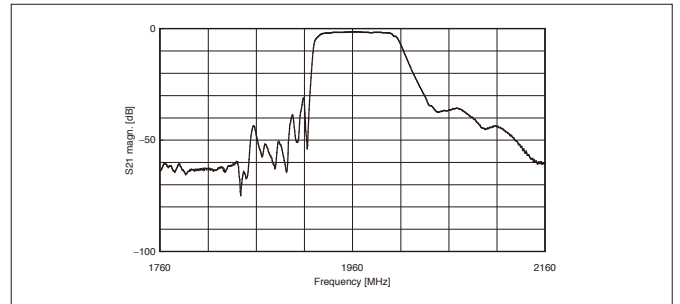
<CELL Rx> Part No.: SF14-0881M5UUA1



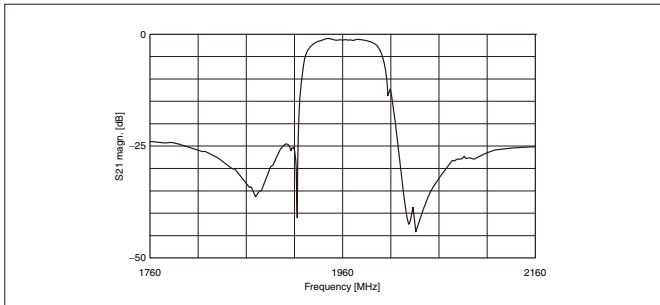
<CELL Tx> Part No.: SF14-0836M5UUA2



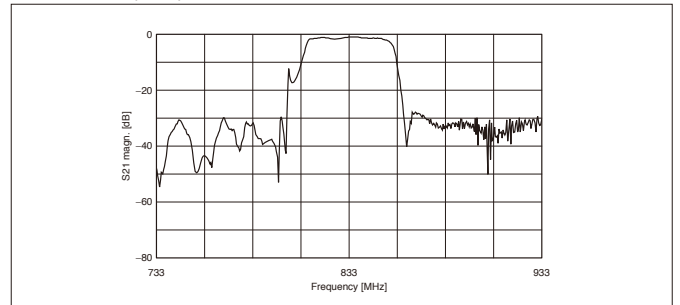
<PCS Rx> Part No.: SF14-1960M5UBC1



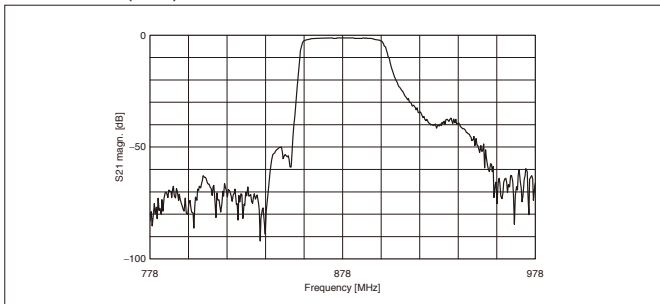
<PCS Rx> Part No.: SF14-1960M5UUA1



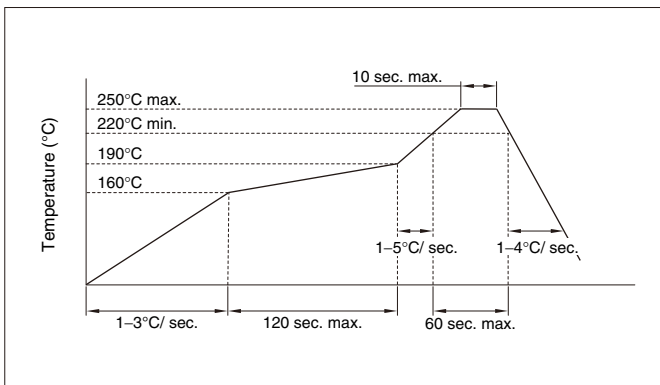
<BC10+Cell (BC0) Tx> Part No.: SF14-0833M5UUA1



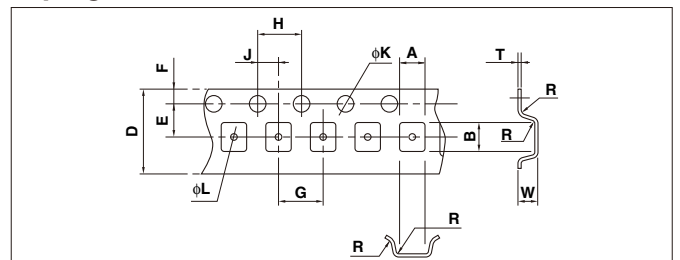
<BC10+Cell (BC0) Rx> Part No.: SF14-0878M5UBA1



Recommended Reflow Profile



Taping Dimensions



(Unit: mm)

| | | | | | |
|-----------|----------|---------|----------|----------|----------|
| Part | A | B | D | E | F |
| Dimension | 1.4±0.1 | 1.7±0.1 | 8.0±0.2 | 3.5±0.05 | 1.75±0.1 |
| Part | G | H | J | K | L |
| Dimension | 4.0±0.1 | 4.0±0.1 | 2.0±0.05 | 1.5±0.1 | 0.5±0.05 |
| Part | R | W | T | | |
| Dimension | 0.3 max. | 0.8±0.1 | 0.2±0.05 | | |