

RoHS Compliant

### Features

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

### Applications

- CDMA

### How to Order

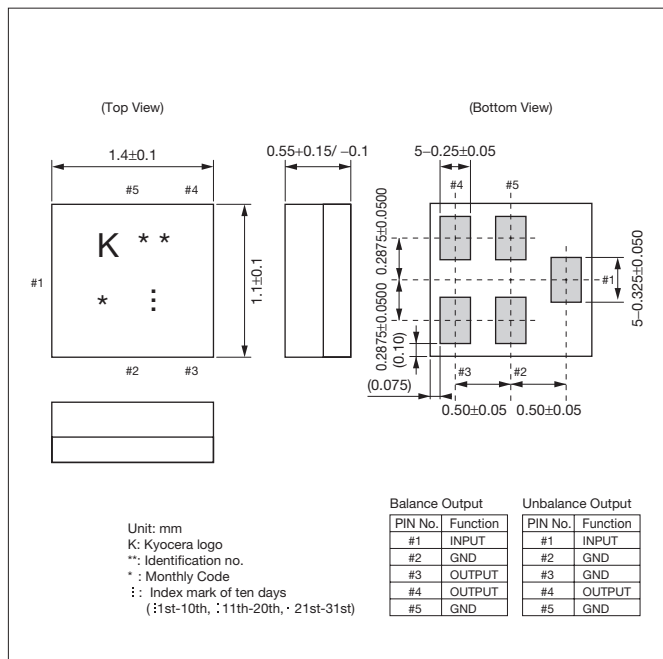
SF 14 - 0881 M 5 UB B1  
① ② ③ ④ ⑤ ⑥ ⑦

- 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

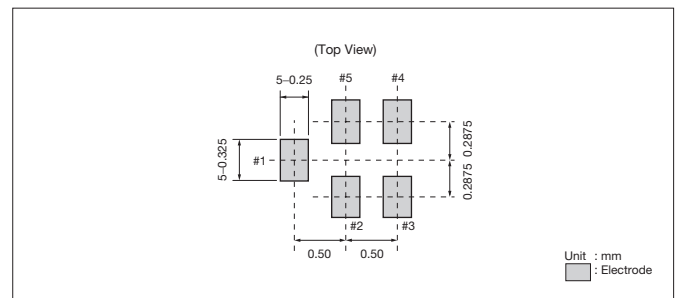
### Specifications

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	3000MHz	—			—
SF14-0881M5UBB1	Balanced	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.			2000MHz
SF14-1960M5UBC1	Balanced	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	Balanced	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			—

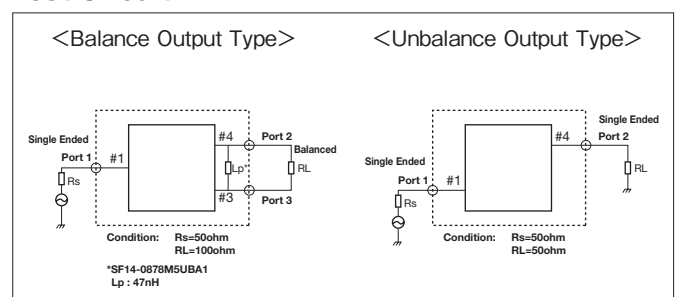
### Dimensions



### Recommended Land Pattern



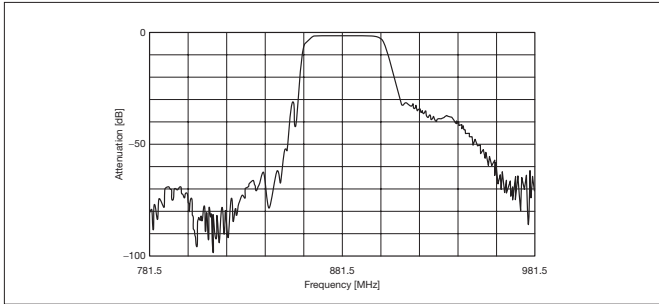
### Test Circuit



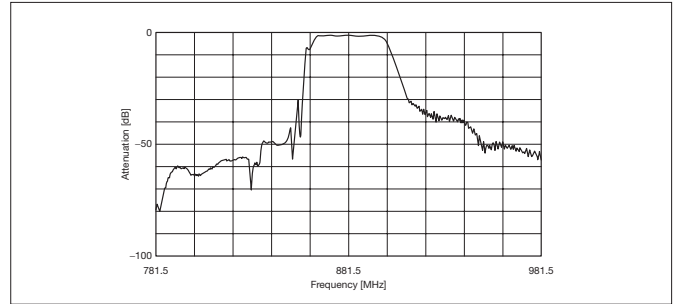


**Characteristics**

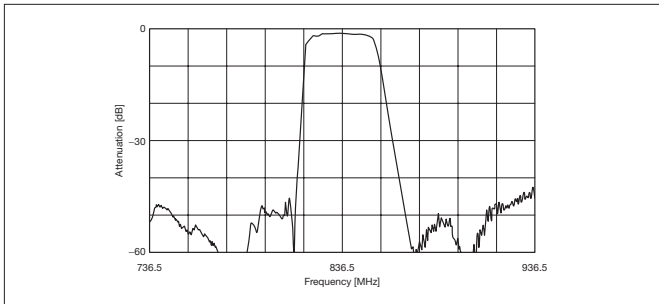
<CELL Rx> Part No.: SF14-0881M5UBB1



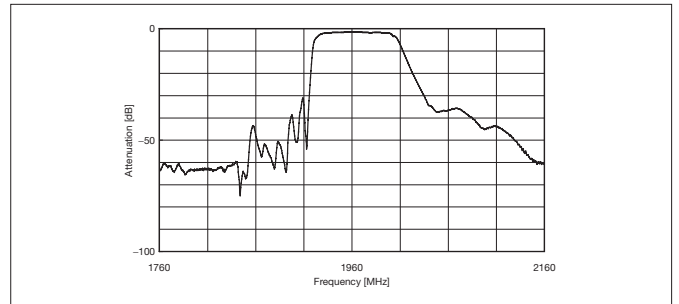
<CELL Rx> Part No.: SF14-0881M5UUA1



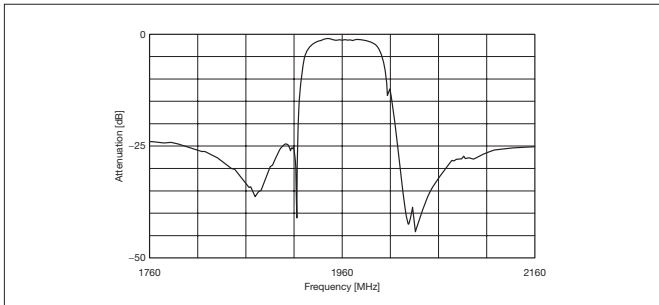
<CELL Tx> Part No.: SF14-0836M5UUA2



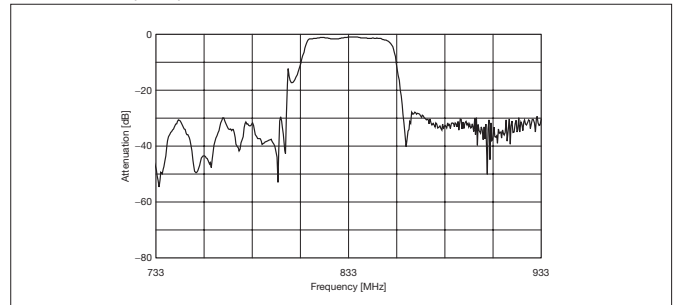
<PCS Rx> Part No.: SF14-1960M5UBC1



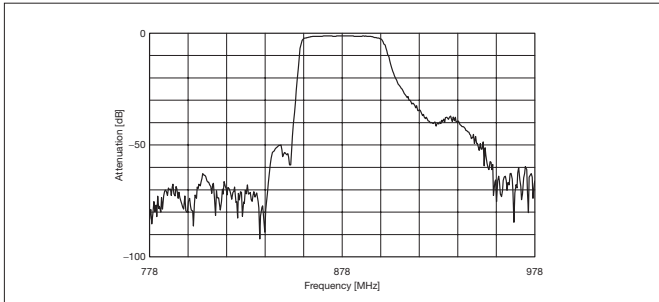
<PCS Rx> Part No.: SF14-1960M5UUA1



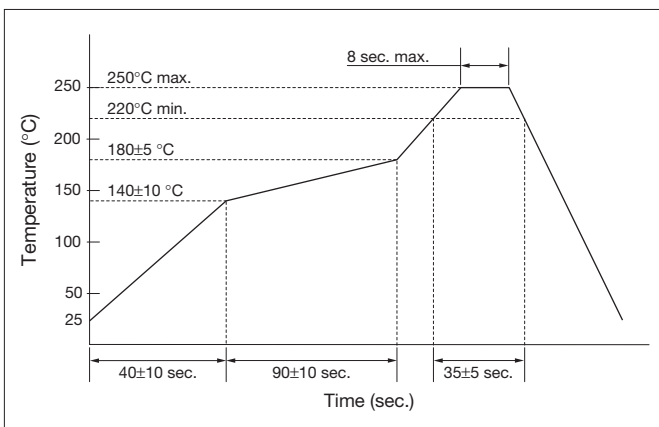
<BC10+Cell (BC0) Tx> Part No.: SF14-0833M5UUA1



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



**Recommended Reflow Profile**



**Tape & Reel Specifications**

**SAW Duplexers/ SAW Filters**

(Unit: mm)

		SAW Duplexers			SAW Filters				
		SD18	SD20	SD25	SF14	SF15	SF16	SF18	SF20
T A P E	A	2.0±0.05	2.0±0.05	2.0±0.05	2.0±0.05	2.0±0.05	2.0±0.05	2.0±0.05	2.0±0.05
	B	4.0±0.1	4.0±0.1	4.0±0.1	4.0±0.1	4.0±0.1	4.0±0.1	4.0±0.1	4.0±0.1
	C	φ1.5+0.1/ -0	1.5±0.1	φ1.5±0.1	φ1.5±0.1	1.5±0.1	1.5±0.1	φ1.5+0.1/ -0	1.5±0.1
	D	4.0±0.1	4.0±0.1	4.0±0.1	4.0±0.1	4.0±0.1	4.0±0.1	4.0±0.1	4.0±0.1
	E	3.5±0.05	3.5±0.05	3.5±0.05	3.5±0.05	3.5±0.05	3.5±0.05	3.5±0.05	3.5±0.05
	F	1.75±0.1	1.75±0.1	1.75±0.1	1.75±0.1	1.75±0.1	1.75±0.1	1.75±0.1	1.75±0.1
	G	8.0±0.1	8.0±0.2	8.0±0.2	8.0±0.2	8.0±0.2	8.0±0.2	8.0±0.1	8.0±0.2
	H	φ0.8±0.05	1.1±0.1	φ1.1±0.1	φ0.5±0.05	0.5±0.1	1.1±0.1	φ0.8±0.05	1.1±0.1
	J	2.05±0.1	2.25±0.1	2.9±0.1	1.7±0.1	1.80±0.1	1.90±0.1	2.05±0.1	2.25±0.1
	L	1.7±0.1	1.8±0.1	2.4±0.1	1.4±0.1	1.4±0.1	1.85±0.1	1.7±0.1	1.8±0.1
	N	0.85+0/ -0.5	0.7±0.1	1.15±0.1	0.8±0.1	0.7±0.1	0.95±0.2	0.85+0/ -0.5	0.7±0.1
O	0.2±0.05	0.2±0.05	0.25±0.05	0.2±0.05	0.2±0.05	0.25±0.05	0.2±0.05	0.2±0.05	
R E E L	P	φ178±2	φ178±2	φ178±2	φ178±2	φ178±2	φ178±2	φ178±2	φ178±2
	Q	φ60±2	φ60±2	φ60±2	φ60±2	φ60±2	φ60±2	φ60±2	φ60±2
	R	φ13±0.2	φ13±0.2	φ13±0.2	φ13±0.2	φ13±0.2	φ13±0.2	φ13±0.2	φ13±0.2
	S	φ21±0.8	φ21±0.8	φ21±0.8	φ21±0.8	φ21±0.8	φ21±0.8	φ21±0.8	φ21±0.8
	U	2±0.5	2±0.5	2±0.5	2±0.5	2±0.5	2±0.5	2±0.5	2±0.5
	W	9.5±1	9.5±1	9.5±1	9.5±1	9.5±1	9.5±1	9.5±1	9.5±1
Qty.		3000	3000	3000	3000	3000	3000	3000	3000

