



RoHS Compliant

Features

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

Application

- CDMA

How to Order

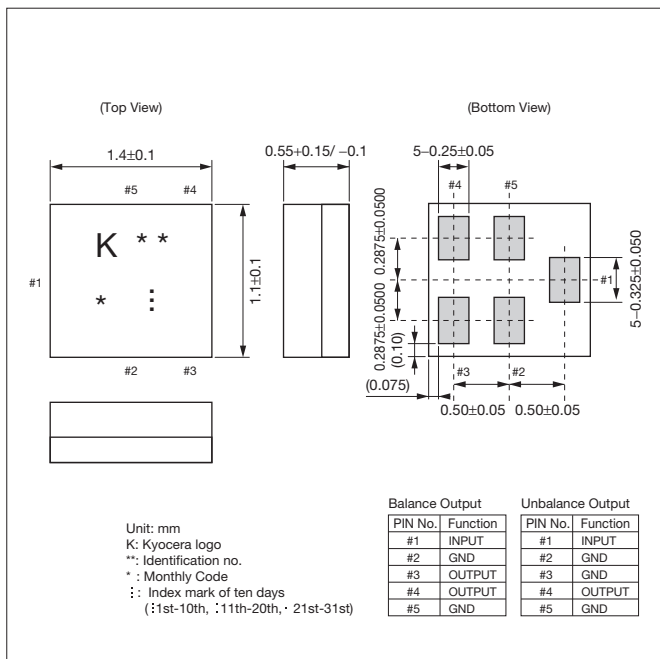
SF 14 - 0881 M 5 UB B1
① ② ③ ④ ⑤ ⑥ ⑦

- 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

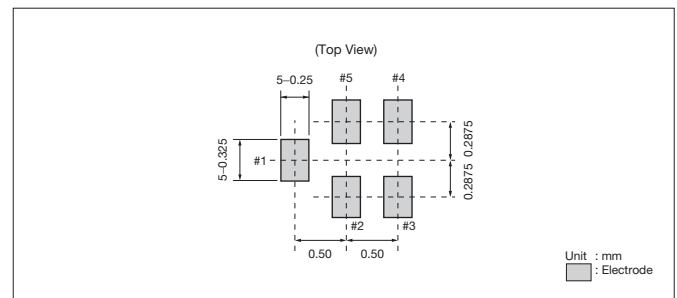
Specifications

Part No.	Output	Application	Pass Band Frequency	Insertion Loss (dB)	Pass Band Variation (dB)	VSWR	Absolute Rejection (dB)						Operating Temperature	Storage Temperature
SF14-0881M5UBB1	Balanced	CELL Rx	869MHz - 894MHz	2.2 max.	1.5 max.	2.5 max.	10MHz 824MHz 40 min.	824MHz 849MHz 45 min.	915MHz 960MHz 23 min.	960MHz 3000MHz 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 824MHz 20 min.	824MHz 849MHz 46 min.	915MHz 960MHz 20 min.	960MHz 3000MHz 20 min.	— — —	— — —		
SF14-0836M5UUA2	Unbalance	CELL Tx	824MHz - 849MHz	2.5 max.	1.5 max.	2.1 max.	10MHz 800MHz 30 min.	869MHz 894MHz 40 min.	894MHz 1050MHz 35 min.	1050MHz 1210MHz 32 min.	1210MHz 1580MHz 30 min.	1580MHz 2000MHz 27 min.		
SF14-1960M5UBC1	Balanced	PCS Rx	1930MHz - 1990MHz	3.3 max.	2.5 max.	2.5 max.	10MHz 1850MHz 40 min.	1850MHz 1910MHz 24 min.	2040MHz 2200MHz 30 min.	2200MHz 3400MHz 40 min.	3400MHz 6000MHz 40 min.	— — —		
SF14-1960M5UUA1	Unbalance	PCS Rx	1930MHz - 1990MHz	3.0 max.	2.0 max.	2.5 max.	10MHz 1850MHz 20 min.	1850MHz 1910MHz 20 min.	2040MHz 2200MHz 20 min.	2200MHz 3400MHz 20 min.	3400MHz 6000MHz 20 min.	— — —		
SF14-0833M5UUA1	Unbalance	BC10+ Cell (BC0) Tx	817MHz - 849MHz	2.0 max.	1.5 max.	2.5 max.	862MHz 894MHz 13 min.	1570MHz 1580MHz 30 min.	— — —	— — —	— — —	— — —		
SF14-0878M5UBA1	Balanced	BC10+ Cell (BC0) Rx	862MHz - 894MHz	2.5 max.	1.5 max.	2.0 max.	10MHz 817MHz 40 min.	817MHz 849MHz 46 min.	1724MHz 1788MHz 40 min.	1850MHz 1910MHz 46 min.	1920MHz 6000MHz 40 min.	— — —		

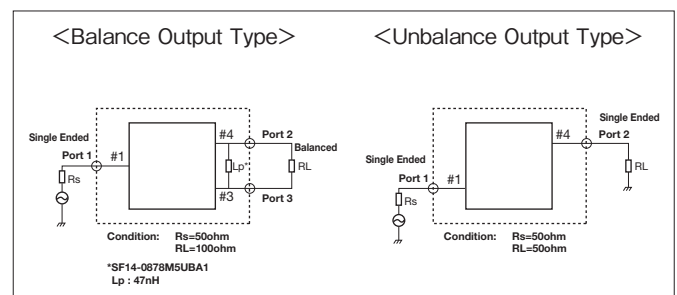
Dimensions



Recommended Land Pattern

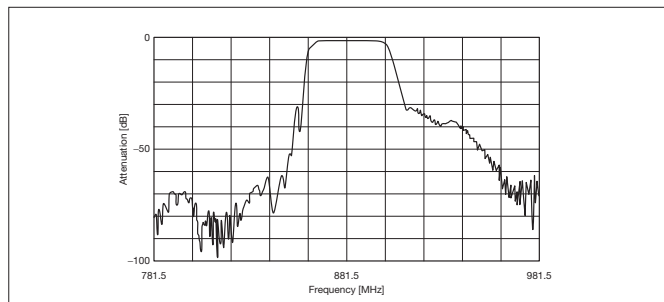


Test Circuit

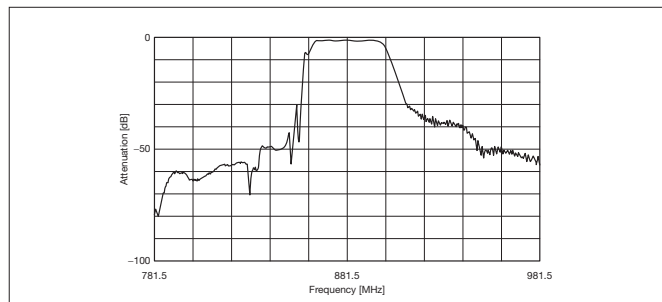


Characteristics

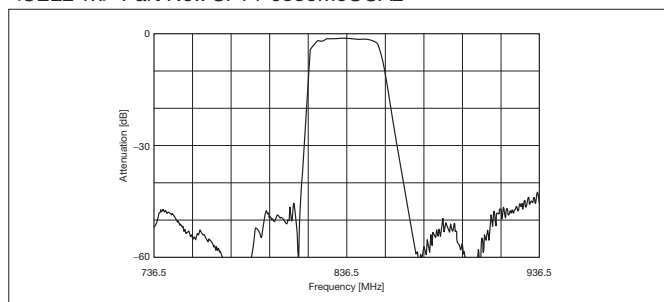
<CELL Rx> Part No.: SF14-0881M5UBB1



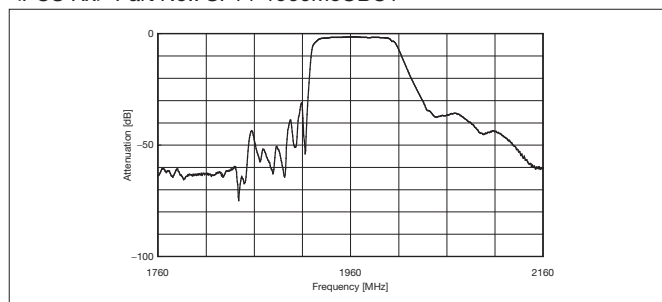
<CELL Rx> Part No.: SF14-0881M5UUA1



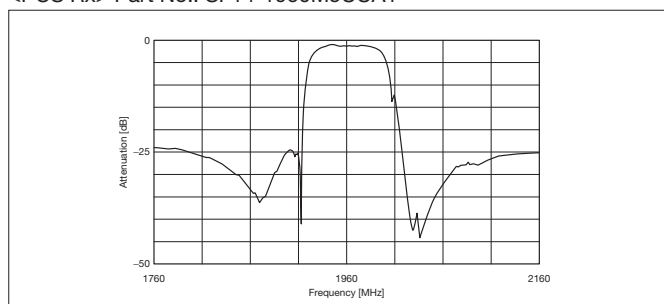
<CELL Tx> Part No.: SF14-0836M5UUA2



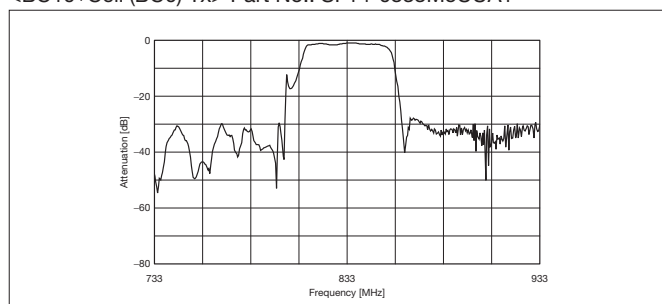
<PCS Rx> Part No.: SF14-1960M5UBC1



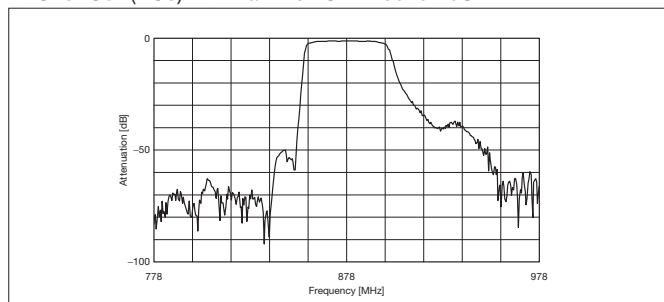
<PCS Rx> Part No.: SF14-1960M5UUA1



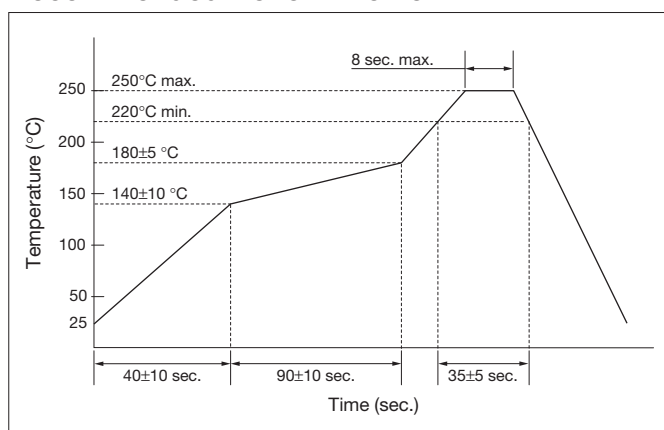
<BC10+Cell (BC0) Tx> Part No.: SF14-0833M5UUA1



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



Recommended Reflow Profile





Tape & Reel Specifications

SAW Duplexers/ SAW Filters/ SAW Modules

(Unit: mm)

		SAW Duplexers			SAW Filters					SAW Modules	
		SD18	SD20	SD25	SF14	SF15	SF16	SF18	SF20	LF-U309D7	LS-T910S1
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	2.0±0.1	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	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	φ1.5+0.1/-0	φ1.5+0.1/-0
	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	8.0±0.1	8.0±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	5.5±0.1	5.5±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	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	12.0±0.3	12.0±0.3
	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	5.3±0.1	2.85±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	4.3±0.1	2.85±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	1.2±0.1	1.2±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	0.3±0.05	0.3±0.05
R E E L	P	φ178±2	φ178±2	φ178±2	φ178±2	φ178±2	φ178±2	φ178±2	φ178±2	φ330±2	φ330±4
	Q	φ60±2	φ60±2	φ60±2	φ60±2	φ60±2	φ60±2	φ60±2	φ60±2	φ100±1	φ100±1
	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	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	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	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	13.5±1	13.4±1
Qty.		3000	3000	3000	3000	3000	3000	3000	3000	4000	4000

