



SAW FILTER
Technical Data

EF1950U
SPECIFICATION FOR SAW FILTER

Band pass Filters for Tx of WCDMA.

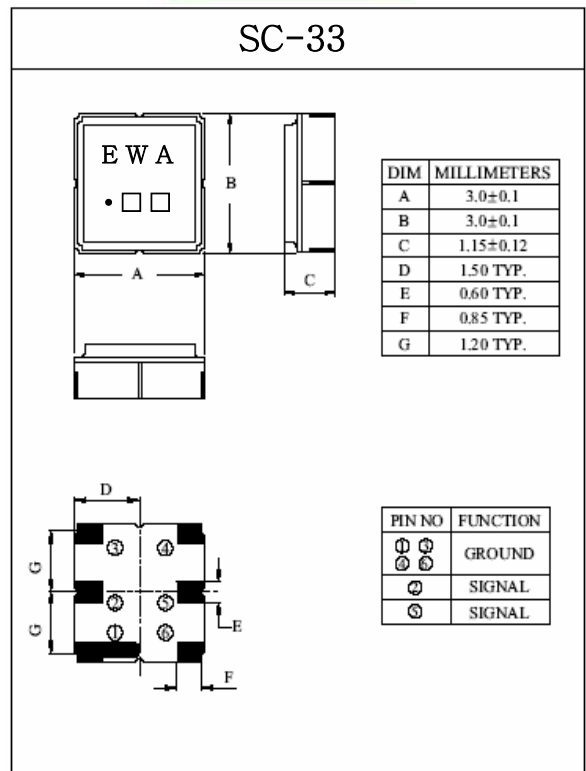
- High stability and reliability with good performance and no adjustment.
- sharp pass band characteristics.
- Low insertion loss and deep stop band attenuation for interference.
- Low – loss RF filter for WCDMA.

■ Maximum Ratings

Items	Rating	Unit
Maximum Working Voltage	10	V _{dc}
Maximum Working Power	13	dBm
Storage Temperature Range	-40 ~ +90	°C

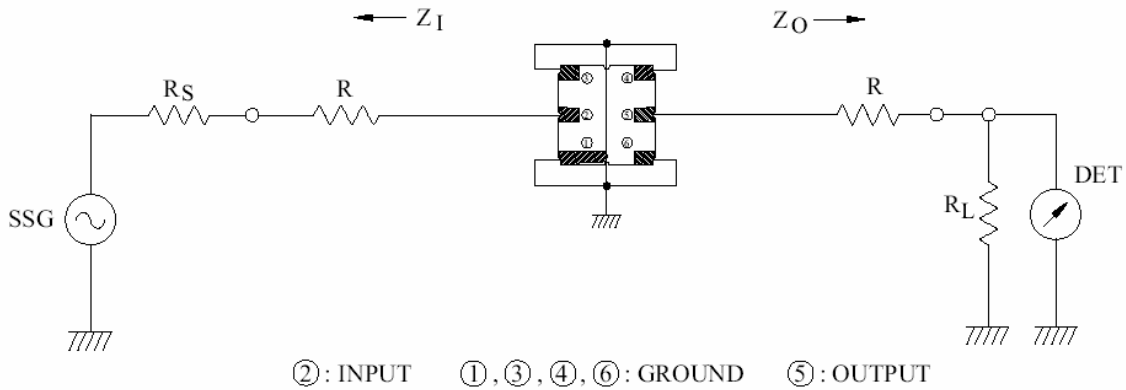
■ Electrical Characteristics

Items	Test Condition	Min.	Typ.	Max.	Unit
Center Frequency	-	-	1950	-	MHz
Insertion Loss	1920~1980MHz	-	1.81	4.0	dB
Amplitude Ripple	1920~1980MHz	-	1.23	2.4	dB
Attenuation	DC~1840MHz	20	29	-	dB
	1840~1900MHz	10	19	-	dB
	2000~2030MHz	4.5	9	-	dB
	2030~2060MHz	20	40	-	dB
	2060~5000MHz	22	31	-	dB
Passband VSWR	1920~1980MHz	-	1.7	2.5	-
Input/Output Impedance	-	-	50	-	Ω



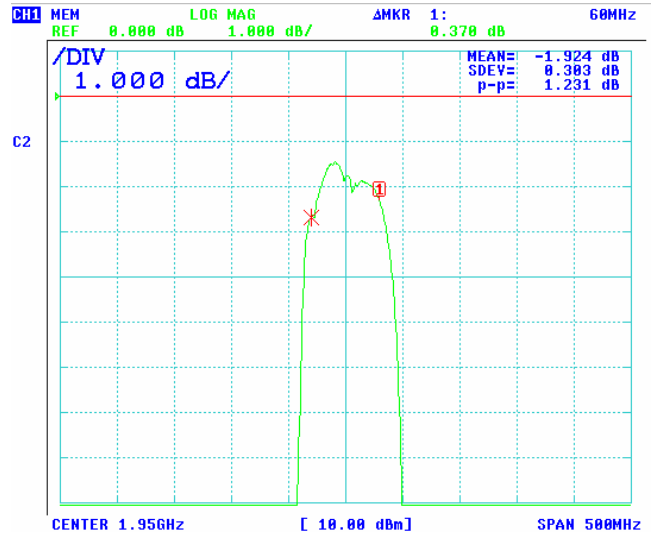
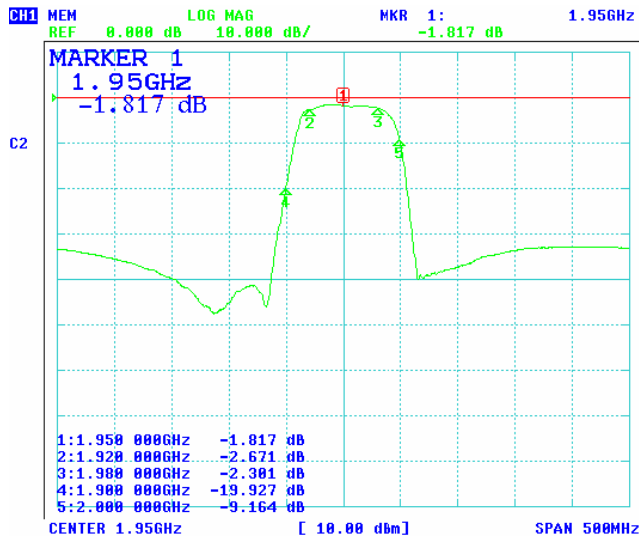
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	Rev No.	

■ Matching Configuration



$R_S, R_L : 50 \Omega$ (Internal Impedance of Source and Load)
 $R : 0 \Omega$
 $Z_1(Z_O) = R_S(R_L) + R$

■ Typical Performance



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