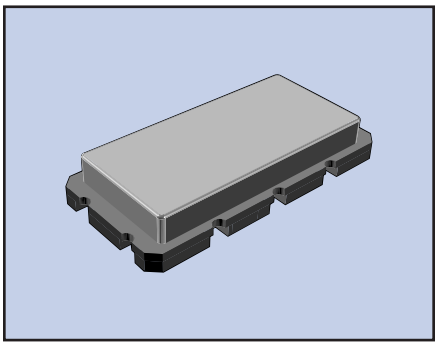
ECS-HSF-130S SMD SAW F ILTER



The ECS-HSF-130S is a SAW (suface acoustic wave) filter for 1st IF circuit for use in digital cellular phone applications. This double mode SAW(DMS) filter offers low-loss characteristics for narrow band applications. Using low electro-mechanical coupling parameters of ST cut quartz crystals as Piezo electronic substrates, The ECS-HSF-130S offers peak stability at room temperature as well as sharp filtering for narrowband applications.

FEATURES

- **Compact and low profile**
- **Flat pass band width**
- **Low insertion loss**
- **Tape & Reel (1,000 pcs)**

PART NUMBERING GUIDE

PART NUMBER
ECS-HSF-130S

OPERATING CONDITIONS/ELECTRICAL CHARACTERISTICS

PARAMETERS	CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
CENTER FREQUENCY			130.000		MHz
3db BANDWIDTH		±19			KHz
INSERTION LOSS				5	db
GAURANTEED ATTENUATION	@ fo ±100KHz	20			db
	@ fo ±200KHz	40			db
	@ fo ±880~920KHz	72			db
RIPPLE	@ fo ±10.5KHz			0.5	db
GROUP DELAY TOLERANCE	@ fo ±10.5KHz			5	µ sec.
MATCHING IMPEDANCE	740 ohm//-1.7pF				
OPERATING TEMP. RANGE		-20˚		+75˚	˚C
STORAGE TEMP. RANGE		-30˚		+85˚	˚C

PACKAGE DIMENSIONS (mm)

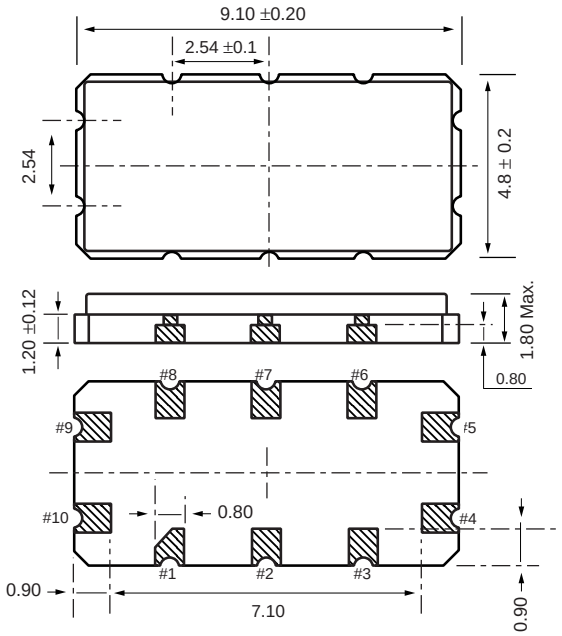


Figure 1) ECS-HSF-130S – Top, Side and Bottom views

PIN CONNECTIONS	
#1	GROUND
#2	GROUND
#3	GROUND
#4	OUTPUT
#5	GROUND
#6	GROUND
#7	GROUND
#8	GROUND
#9	INPUT
#10	GROUND