

The ECS-HSF-246S is a SAW (surface acoustic wave) filter for 1st IF circuit for use in GSM (Global System for Mobile Communications.) This double mode SAW(DMS) filter offers low-loss characteristics for narrowband applications. It uses the low electro-mechanical coupling parameter of ST cut quartz crystals as piezo electric substrates. The ECS-HSF-246S 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-246S

OPERATING CONDITIONS/ELECTRICAL CHARACTERISTICS

PARAMETERS	CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
CENTER FREQUENCY			246.000		MHz
3db BANDWIDTH		±80			KHz
INSERTION LOSS				7	db
GAURANTEED ATTENUATION	@ fo ±(400-600KHz)	35			db
	@ fo ±(600MHz-1.6MHz)	38			db
	@ fo ±(1.6MHz-3.0MHz)	38			db
	@ fo ±(3.0MHz-25.0MHz)	48			db
RIPPLE	MHz			1.0	db
GROUP DELAY TOLERANCE	@ fo ±80KHz			2.5	μ sec.
MATCHING IMPEDANCE	740 ohm// -1.7pF				
OPERATING TEMP. RANGE		-20°		+75°	°C
STORAGE TEMP. RANGE		-30°		+85°	°C

PACKAGE DIMENSIONS (mm)

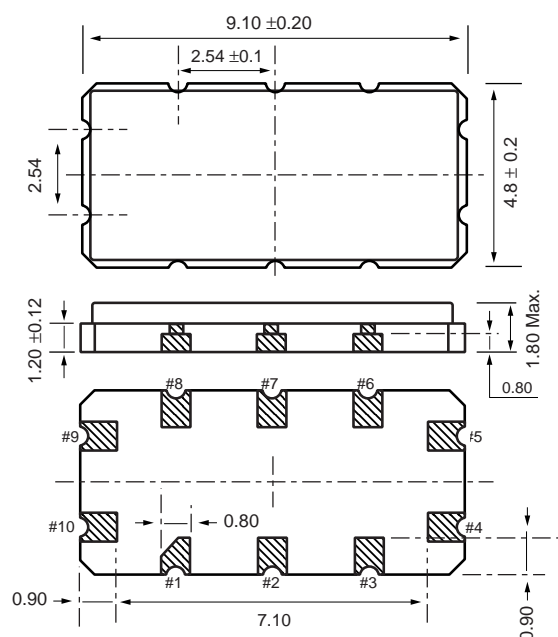


Figure 1) ECS-HSF-246S – Top, Side and Bottom views

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