

- ▶ IF Filter for GSM Applications
- ▶ 5.0 x 5.0 mm Footprint
- ▶ Extended Temp. Range
- ▶ RoHS Compliant

# ECS-DSF400.0A-51

## SMD SAW FILTER

### OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	FREQUENCY (MHz)	ECS-DSF400.0A-51			UNITS
		MIN	TYP	MAX	
Center Frequency	Fo		400.0		MHz
Insertion Loss				6.0	dB
Passband			± 83		KHz
Passband Ripple				2.0	dB
Group Delay Ripple	Passband			1.0	µsec
Stop Band Attenuation	50 ~ 398.5	35			dB
	398.5 ~ 399.2	20			dB
	399.2 ~ 399.4	10			dB
	399.4 ~ 399.6	7			dB
	400.4 ~ 400.6	7			dB
	400.6 ~ 400.8	10			dB
	400.8 ~ 401.5	20			dB
	401.5 ~ 500	35			dB
Terminating Impedance					600Ω/90nH
Operating Temperature	Topr	-40		+85	°C
Storage Temperature	Tstg	-40		+85	°C
Input Power				0	dBm

### PACKAGE DIMENSIONS (mm)

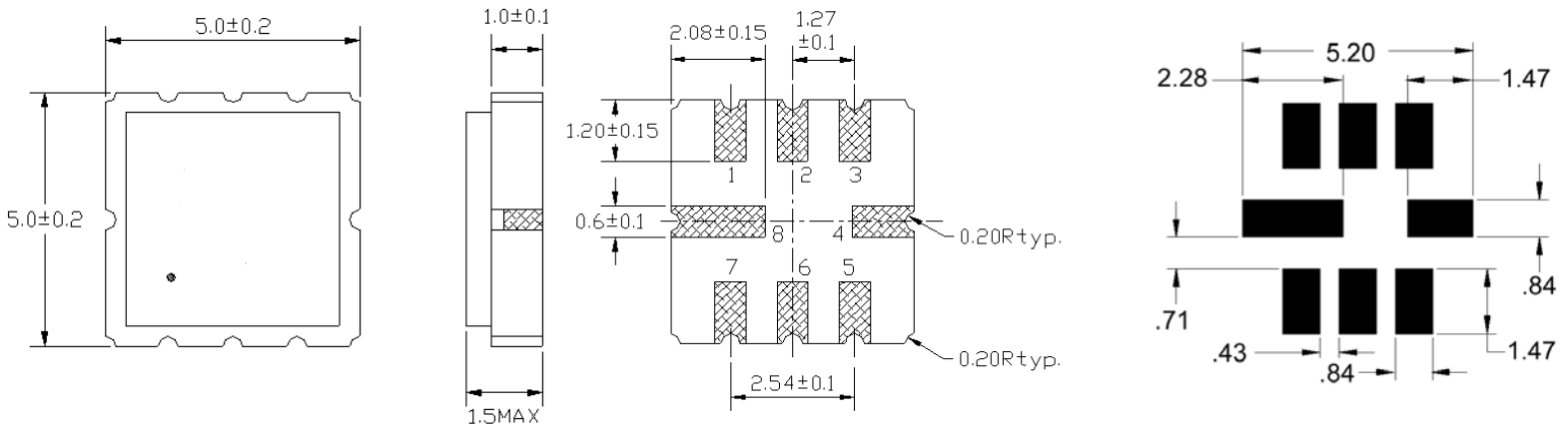


Figure 1) Top, Side and Bottom View

Pin Connections	
Pin #1	Input
Pin #2	Ground
Pin #3	Ground
Pin #4	Ground
Pin #5	Output
Pin #6	Ground
Pin #7	Coupling
Pin #8	Ground

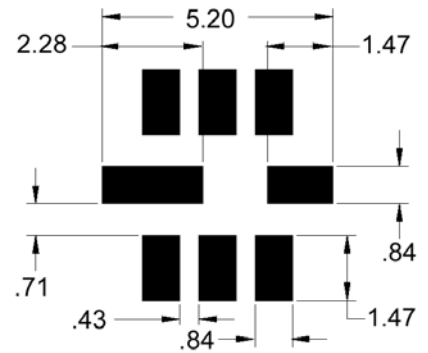


Figure 2) Land Pattern

ECS PART NUMBER: ECS-DSF-400.0A-51-TR

-TR = Tape and Reel Packaging, 1K/Reel