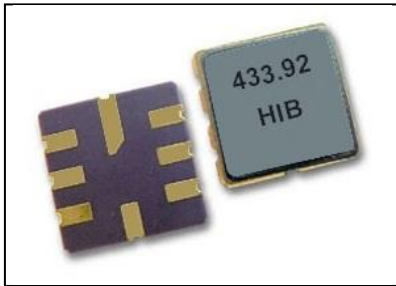


SAW Resonator S51

315.00 / 433.92MHz



It is a true one-port SAW resonator in a SMD case. This product is designed for remote control and wireless security transmitters.

FEATURES

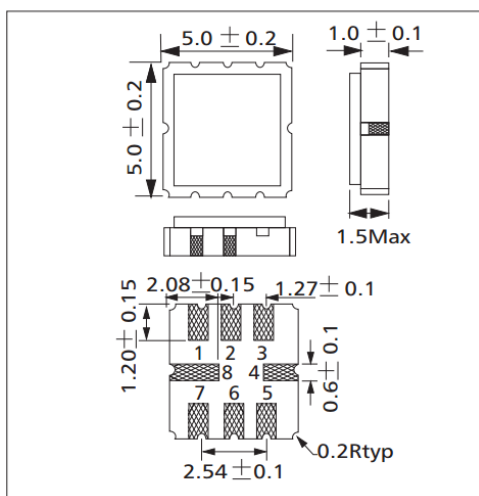
- One-port resonator
- Fundamental Mode
- Quartz Stabilization

Electrical Specifications

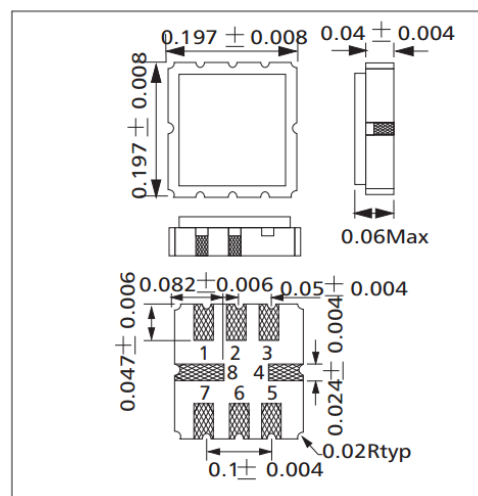
Parameter	Symbol	Condition	Typical		Units
Frequency Range	F_0		315.00 / 433.92		MHz
Frequency Tolerance	$\Delta F/F_0$	at 25°C	±50		±500 KHz
Temperature Stability	T_C	Ref to 25°C		-0.032	PPM/(Δ°C) ²
Operating Temperature Range	T_{OPR}		-40	-10 to +60	+85 °C
Storage Temperature Range	T_{STG}		-40		+85 °C
Shunt Capacitance	C_0				4 pF
Insertion Loss	I_L				3 dB
Motional Resistance	R_M				50 Ω
Quality Factor (unloaded)	Q_U		8,000		20,000
Aging (First year)	F_a	at 25°C	-10		+10 PPM

Mechanical Dimensions

S51(5.0X5.0mm)



S51(0.197X0.197inch)



Pin	Connection
1	NC
2	Input
3	NC
4	NC
5	NC
6	Output
7	NC
8	NC