

SAW Resonator S18

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	±75	±500	KHz
Temperature Stability	T_C	Ref to 25°C		-0.032		PPM/(°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		1.45	1.75	2.05	pF
Insertion Loss	I_L			1.5	2.0	dB
Motional Resistance	R_M			13.2	18.0	Ω
Quality Factor (unloaded)	Q_U			18400		
Aging (First year)	F_a	at 25°C	-10		+10	PPM

Mechanical Dimensions (mm)

