

Features

- HC-49SMD case package.
- one-port resonator.
- Low profile 49SMD case.
- Electrostatic Sensitive Devices (ESD).
- Other frequency available.
- Automatic mounting, solder reflow capable.
- Applications for automotive electronics, Remote control, Alarm, Consumer electronics ,and more.
- RoHS Compliant.



Electrical Specifications

Item			Minimum	Type	Maximum	Unit
Center Frequency	Absolute Frequency	F_c	315,433.92			MHz
	Tolerance form 433.92MHz	ΔF_c		± 75		KHz
Insertion Loss (Min.)		IL		1.5	2.0	dB
Quality Factor	Unloaded Q	Q_u		18362		
	50Ω loaded Q	Q_L		2150		
Temperature Stability	Turnover temperature	T_0	20	40	55	°C
	Turnover frequency	F_0		F_c		
	Frequency temperature coefficient	FTC		0.032		ppm/°C
Frequency Aging	Absolute value during the first year	$ F_A $		≤ 10		ppm/yr
DC Insulation Resistance between Any Two Pins			1.0			MΩ
RF Equivalent RLC Model	Motional Resistance	R_M		13.2	18.0	Ω
	Motional Inductance	L_M		89.4	110.2	μH
	Motional Capacitance	C_M		1.5		fF
	Static Capacitance	C_0	1.45	1.75	2.05	pF
Operating Temperature Range		T	-40		+85	°C
Storage Temperature Range		T_{stg}	-55		+125	°C
DC Voltage		V_{DC}		10		V

Dimensions

Units:mm

