LEADED, TO-39 PACKAGE SAW RESONATORS

ASR310





FEATURES:

· One-port SAW resonator 310MHz. See page 87-88 for additional frequencies.

· Wide operating temperature range.

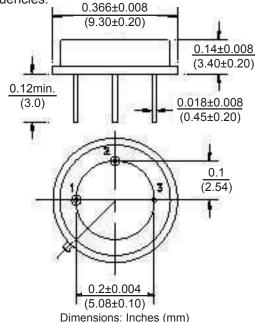
APPLICATIONS:

- · Wireless car alarm, Garage door opener.
- · Remote keyless entry.

ABLSOLUTE MAXIMUM RATINGS:

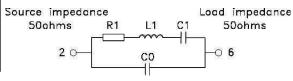
DC voltage	<u>+</u> 30V
Operating temperature	-40°C to +85°C
Storage temperature	-40°C to +85°C
Maximum power dissipation	10dBm

STANDARD	SP	ECIF	FICATI	ONS	
CHARACTERISTIC		UNIT	min.	typ.	max.
Center frequency	Fr	MHz	309.925	310.000	310.075
Insertion loss	IL	dB	-	1.3	2.0
Unloaded quality factor	Q	-	-	15333	-
loaded quality factor	LQ	-	-	2,000	-
Aging per year		ppm	-	-	10
Shunt capacitance	Со	pF	1.8	2.1	2.4
Motional resistance	R1	Ω	-	15	24
Motional inductance	L1	μН	-	118.143	-
Motional capacitance	C1	fF	-	2.2333	-
Turn-over temperature	То	°C	25	40	55
Temperature coefficient	TC	ppm/C ²	-	0.037	-



Pin No.	Function
1	Input/Output
2	Output/Input
3	Case GND

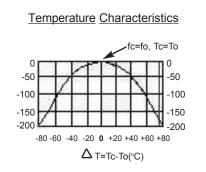
Equivalent circuit:

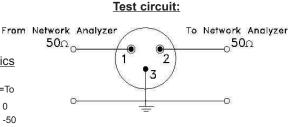


Reliability specifications, see SAW application notes.

Typical Frequency Response 1:Transmission /M Log Mag 5.0 dB/ Ref -1.50 dB 2: Off CH1: MKr2 310.000MHz -1.26 db

Center 310.000 MHz





Marking: 310 AZY

(ZY: Date code)

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Span 0.75 MHz