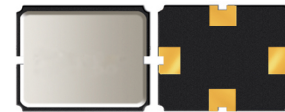


345 MHz ONE-PORT SMD SAW RESONATOR

ASR345.00A1-SS2



RoHS
Compliant



5.0 x 3.5 x 1.5mm

FEATURES:

- Low loss
- 5.0mm leaded package
- 50ohms termination

APPLICATIONS:

- Wireless remote controller
- Mobile communication

STANDARD SPECIFICATIONS:

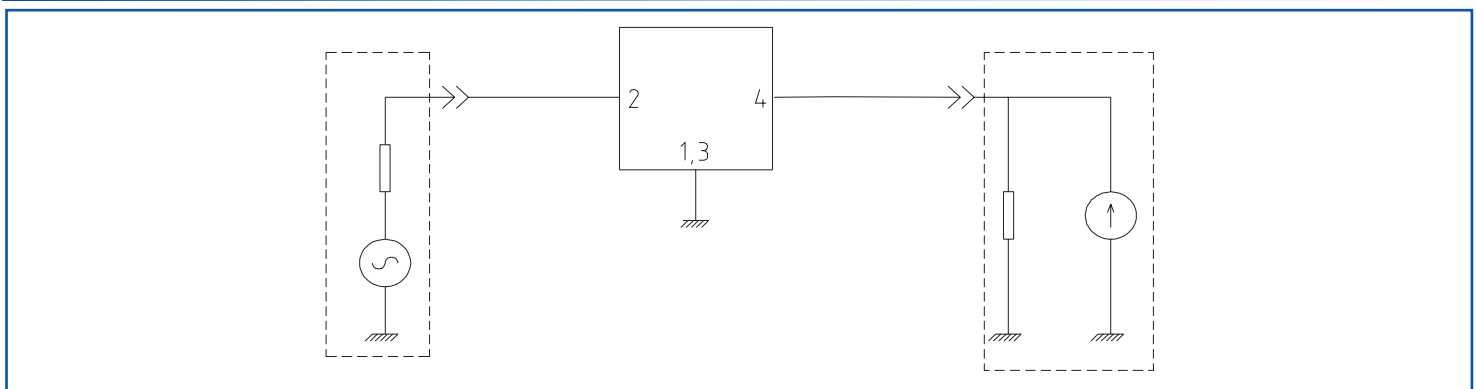
MAXIMUM RATINGS

Item	Value
Operation Temperature Range	-40C to +80°C
Storage Temperature Range	-45C to +85°C
DC Voltage	10V
Source Power	0 dBm

ELECTRICAL CHARACTERISTICS

Item	Minimum	Typical	Maximum	Unit
Center Frequency (f_c)	344.925	345.00	345.075	MHz
Insertion Loss	--	1.5	2.5	dB
Quality Factor	Unloaded Q	11,000	--	--
	50Ω Load Q	--	2,000	--
Temperature Stability	Turnover Temperature	--	25	C
	Freq. Temp. Coefficient	--	0.032	--
Frequency Aging	--	<±10	--	ppm/yr
DC Insulation Resistance	1.0	--	--	MΩ
RF equivalent RLC Model	Motional Resistance R1	--	14	Ω
	Motional Inductance L1	--	63	μH
	Motional Capacitance C1	--	2.5	fF
	Shunt Static Capacitance C0	2.6	2.9	3.2

TEST CIRCUIT

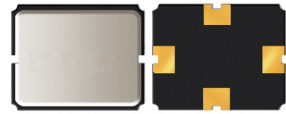


345 MHz ONE-PORT SMD SAW RESONATOR

ASR345.00A1-SS2



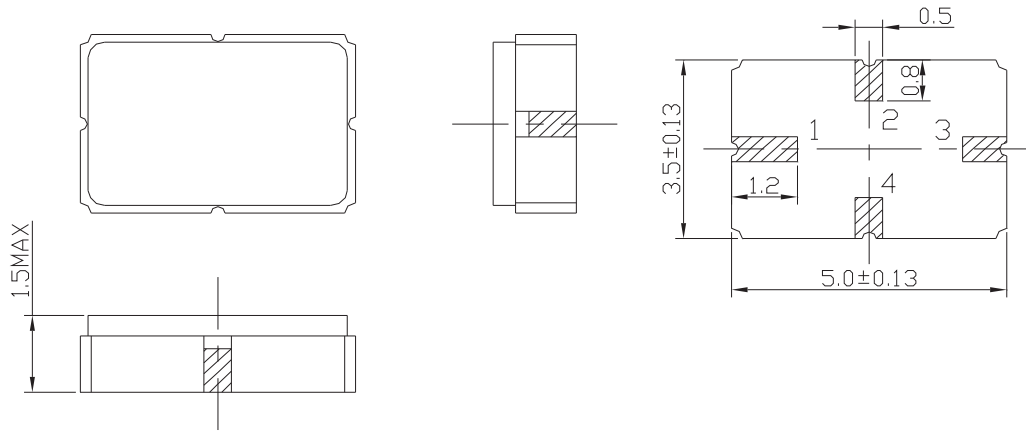
RoHS
Compliant



5.0 x 3.5 x 1.5mm

OUTLINE DRAWING:

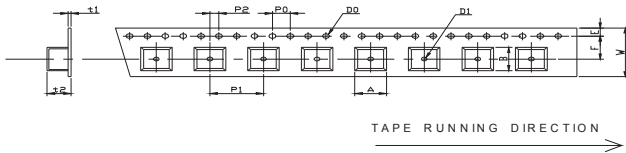
Dimensions: mm



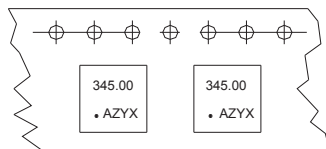
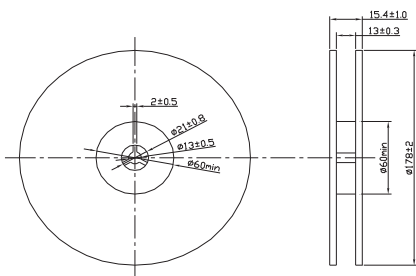
Pin No.	Function
Pin 1	Input
Pin 3	Output
Other	Ground

TAPE & REEL:

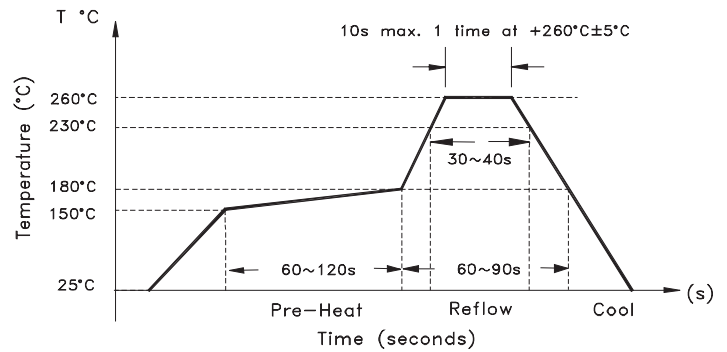
REFLOW PROFILE:



W	F	E	P0	P1	P2	D0	D1	t1	I2	A	B
12.0	5.5	1.75	4.0	8.0	2.0	Φ1.5	Φ1.5	0.31	1.950	4.0	5.5
±0.3	±0.1	±0.1	±0.2	±0.1	±0.2	±0.1	±0.25	max.	max.	max.	max.



Dimensions: mm



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30332 Esperanza, Rancho Santa Margarita, California 92688
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