

ONE-PORT SAW RESONATOR

ASR300.00A01-SD22



RoHS
Compliant



Φ9.5 x 3.3mm

Moisture Sensitivity Level (MSL) : 1

FEATURES:

- Low loss
- Φ3.3mm leaded package
- 50ohms termination

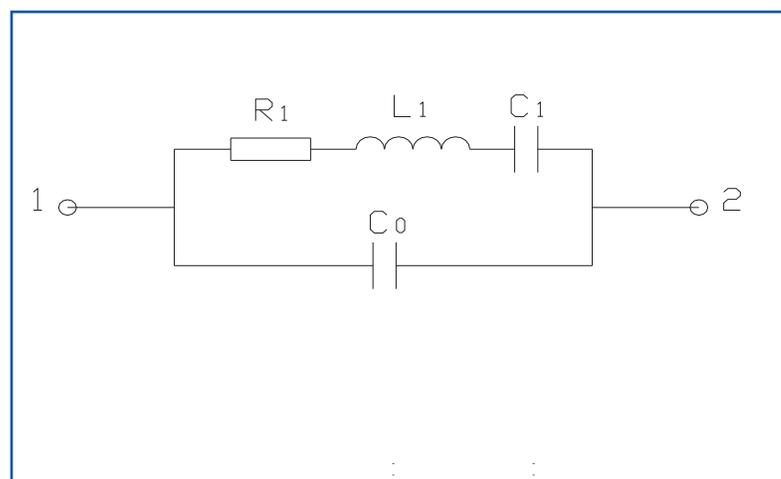
APPLICATIONS:

- Wireless remote controller
- Mobile communication

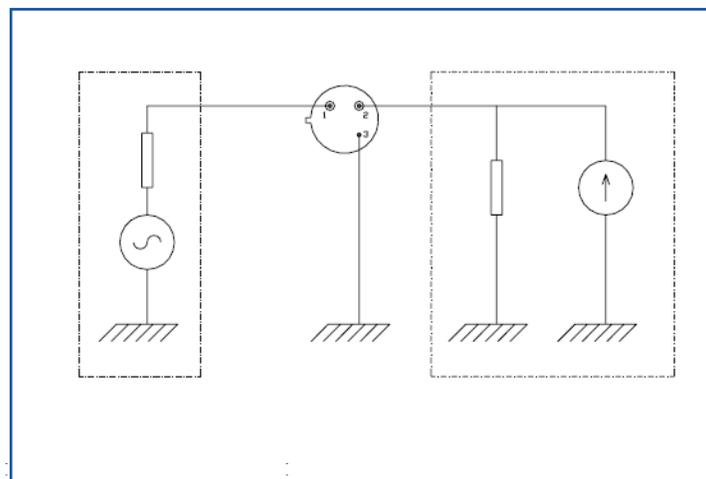
STANDARD SPECIFICATIONS:

Parameters	Minimum	Typical	Maximum	Units	Notes
Center Frequency (f_0)	299.925	300.00	300.075	MHz	
Insertion Loss	-----	1.5	2.5	dB	
Quality Factor	-----	11000	-----		Unloaded Q
	-----	2000	-----		50Ω loaded Q
Turnover Temperature	10	25	40	°C	
Freq. Temp. Coefficient	-----	0.032	-----	ppm/°C ²	
Frequency Aging	-----	<±10	-----	ppm/yr	
DC Insulation Resistance	1.0	-----	-----	MΩ	
Motional Resistance R1	-----	12	19	Ω	
Motional Inductance L1	-----	94	-----	μH	
Motional Capacitance C1	-----	2.9	-----	fF	
Shunt Static Capacitance C0	2.7	3.0	3.3	pF	
Operation Temperature Range	-40	-----	+85	°C	
Storage Temperature Range	-45	-----	+85	°C	
DC Voltage	-----	-----	10	Vdc	
AC Voltage	-----	-----	10	Vrms	50Hz/60Hz
RF Power Dissipation	-----	-----	0	dBm	
Terminating source/load Impedance	50Ω				

EQUIVALENT LC MODEL



TEST CIRCUIT



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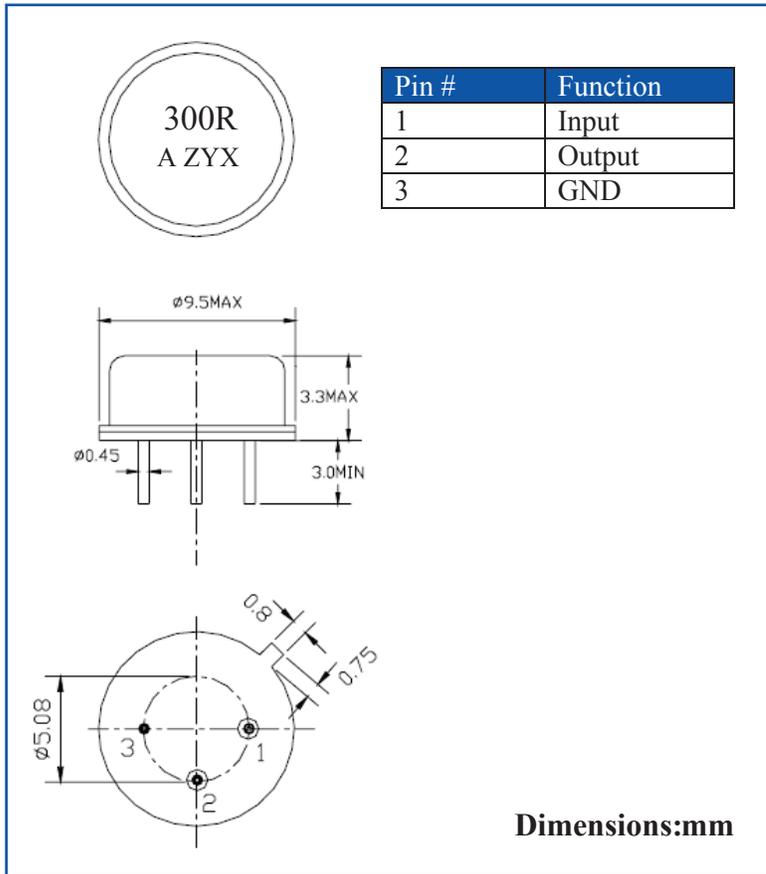


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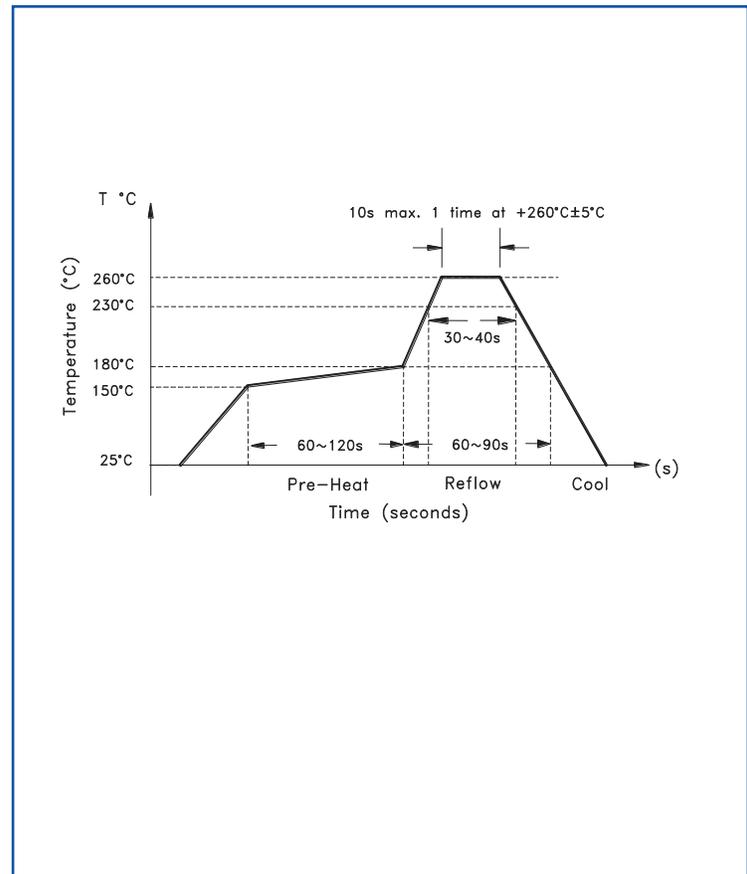


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OUTLINE DIMENSIONS:

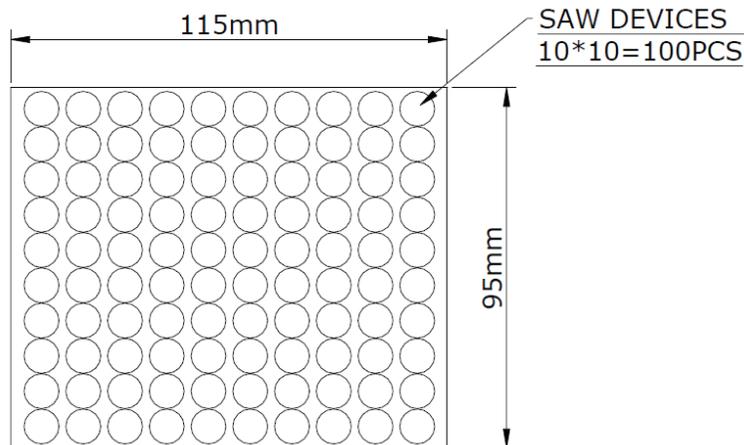


REFLOW PROFILE:



TAPE & REEL:

100pcs/Tray



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ABRACON IS
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