



SPECIFICATIONS

1 General

Part Number	Description
WP ROS-498-119	VCO 449MHz~499MHz

2 Revision History

Revision	Released	Revision Detail
R1	2024-7-18	Initial release

3 Maximum Ratings

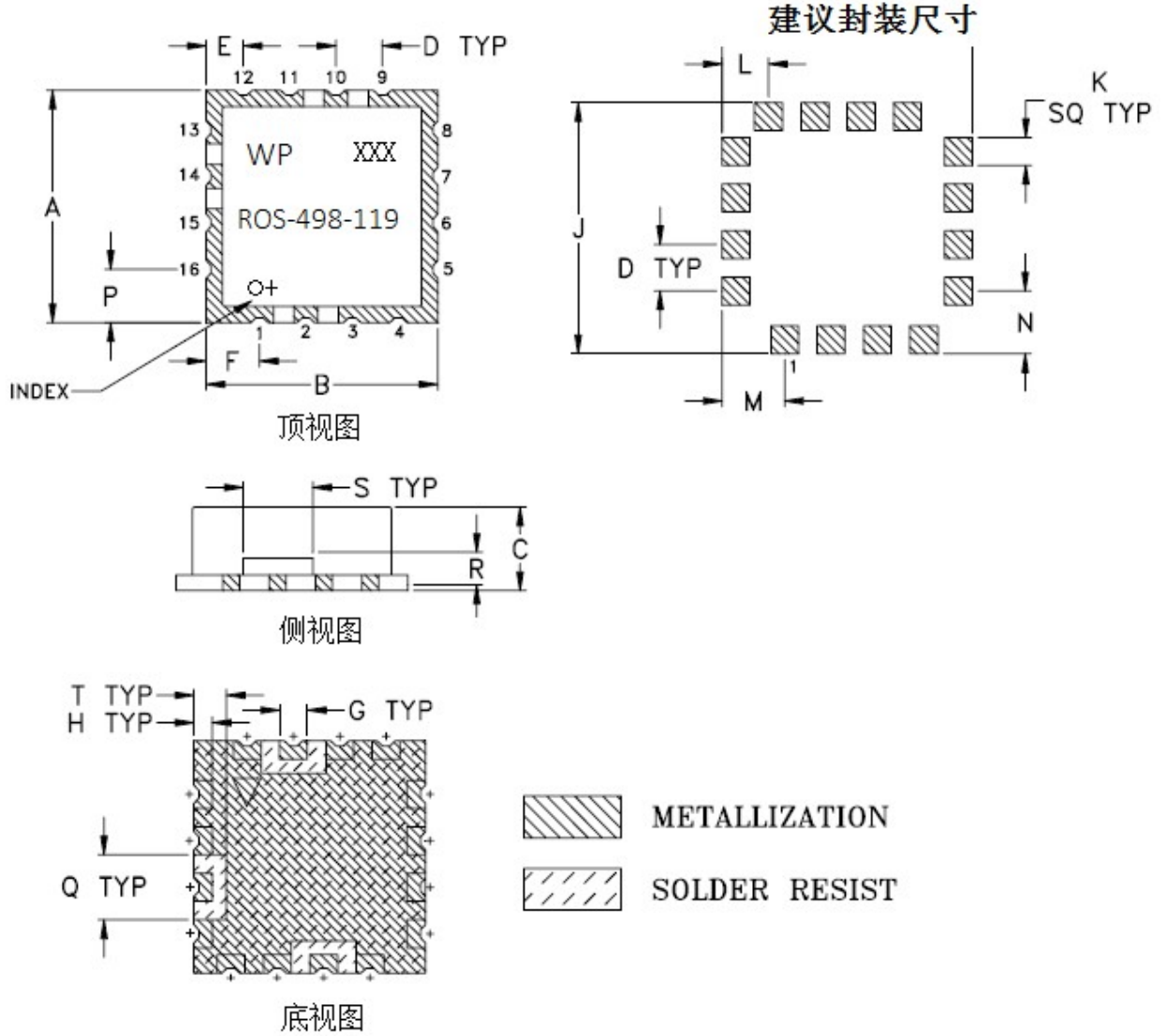
Item	Value	Units
Supply Voltage	7	V
Tuning Voltage	7	V
Operating Temperature	-55~ +85	°C
Storage Temperature	-55~ +100	°C

4 Electrical Specification

Item	Minimum	Typical	Maximum	Unit
Output Frequency	449		499	MHz
Output Power		+5		dBm
Tuning Voltage	0.25		5	V
Tuning Sensitivity		13		MHz/V
Harmonic Suppression		-20	-10	dBc
Phase Noise		-91@1kHz		dBc/Hz
		-118 @10kHz		
		-138 @100kHz		
Supply Voltage		5		V
Current Consumption		22		mA



5 Package Dimension (Unit: mm)



Unit: mm

A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T
12.7	12.7	4.6	2.54	2.03	2.92	1.52	1.02	13.72	1.52	2.54	3.43	3.43	2.92	3.56	1.78	3.81	1.78

Pin#	Function
2	Tuning Voltage (VT)
10	Output (RF)
14	Power Supply (VCC)
1, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 15, 16	Ground (GND)



6 Welding Requirements (Reflow Profile)

