AEC-Q200 Qualification Available

#### 2.45 GHz SMD Antenna, EIA 1206, Detuning resilient,

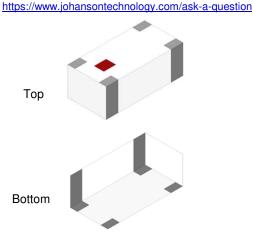
#### Edge Mount Design

Detail Specification: 5/26/2021

Page 1 of 7 Let us help you with the antenna design, optimization, and tuning!

P/N 2450AT18D0100

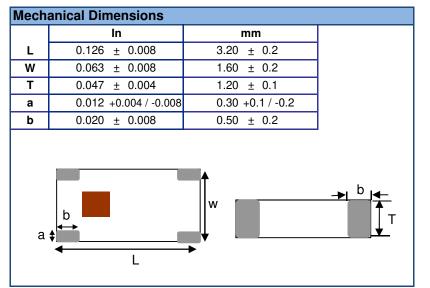
	Lei		
General Specifications			
Part Number	2450AT18D0100E		
Frequency (GHz)	2.4 - 2.5		
Peak Gain (dBi)	1.5 typ. (XZ-total)		
Average Gain (dBi)	-1.0 typ. (XZ-total)		
Radiated Efficiency <sup>1</sup>	72%		
Return Loss (dB)	10 min.		
Impedance (Ω)	50		
Input Power (W)	3 max. (CW)		
Operating Temperature	-40 to +125°C		
Recommended Storage	+5 to +35°C		
Conditions and Period for unused Product on T&R	Humidity 45 - 75% RH		
	18 months max.		
Reel Quantity (pcs./reel)	3,000		

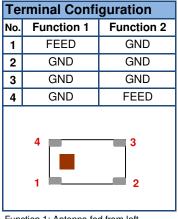


<sup>1</sup>Efficiency measured on Johanson's evaluation board PN 2450AT18D0100-EB1SMA

#### Part Number Explanation

P/N Suffix	Packing Style	Bulk (loose pcs.)	Suffix = S	e.g. 2450AT18D0100S
		T & R	Suffix = E	e.g. 2450AT18D0100E
		100% Tin	Suffix = None	e.g. 2450AT18D0100(E or S)
	Evaluation Board	2450AT18D0100-EB1SMA		





Function 1: Antenna fed from left Function 2: Antenna fed from right

Johanson Technology, Inc. reserves the right to make design changes without notice. All sales are subject to Johanson Technology, Inc. terms and conditions.



https://www.johansontechnology.com 4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

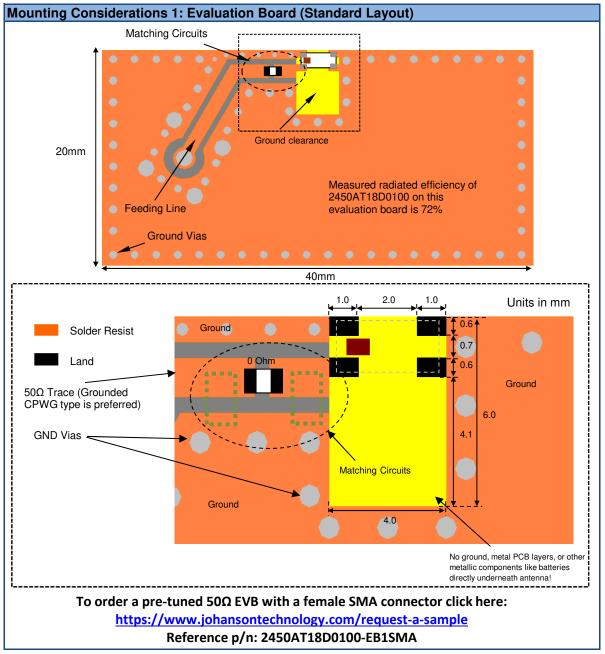
Ver. 4.4

#### 2.45 GHz SMD Antenna, EIA 1206, Detuning resilient, Edge Mount Design

P/N 2450AT18D0100

Detail Specification: 5/26/2021

Page 2 of 7



Johanson Technology, Inc. reserves the right to make design changes without notice. All sales are subject to Johanson Technology, Inc. terms and conditions.



https://www.johansontechnology.com 4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

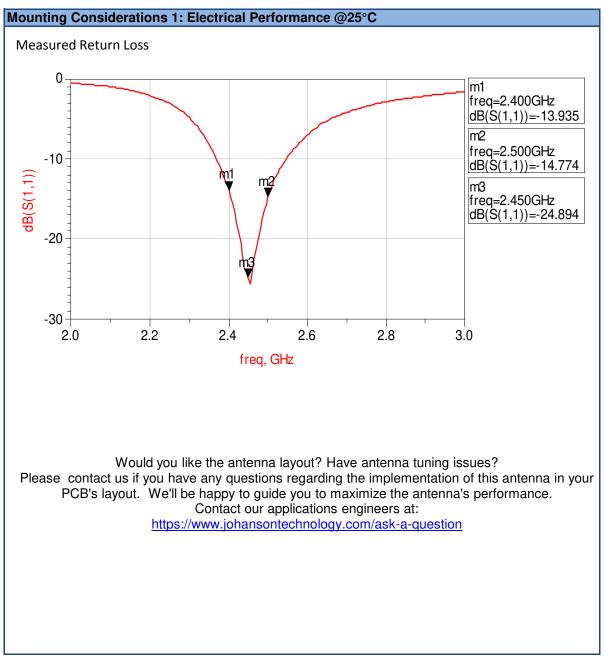
Ver. 4.4

2.45 GHz SMD Antenna, EIA 1206, Detuning resilient,

P/N 2450AT18D0100

**Edge Mount Design** Detail Specification: 5/26/2021

Page 3 of 7



Johanson Technology, Inc. reserves the right to make design changes without notice. All sales are subject to Johanson Technology, Inc. terms and conditions.



https://www.johansontechnology.com 4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

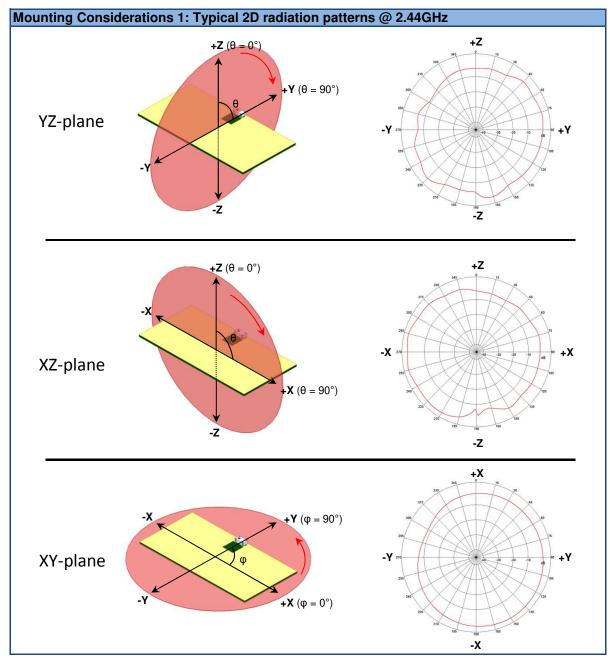
Ver. 4.4

#### 2.45 GHz SMD Antenna, EIA 1206, Detuning resilient, Edge Mount Design

P/N 2450AT18D0100

Detail Specification: 5/26/2021

Page 4 of 7



Johanson Technology, Inc. reserves the right to make design changes without notice. All sales are subject to Johanson Technology, Inc. terms and conditions.

Ver. 4.4





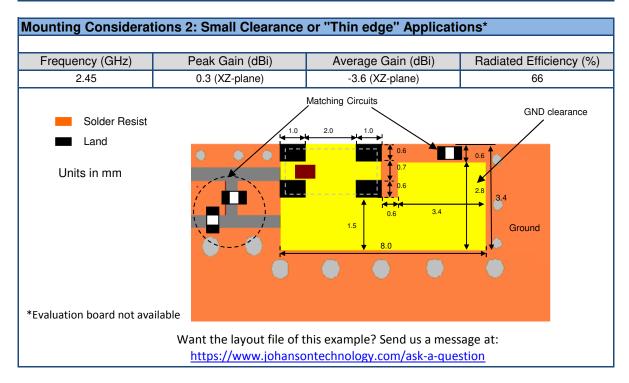
### 2.45 GHz SMD Antenna, EIA 1206, Detuning resilient,

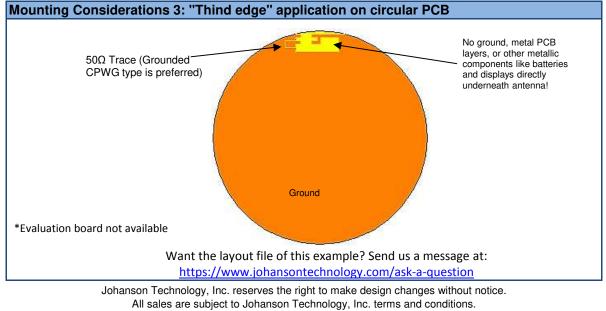
Edge Mount Design

P/N 2450AT18D0100

Page 5 of 7

Detail Specification: 5/26/2021







https://www.johansontechnology.com 4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

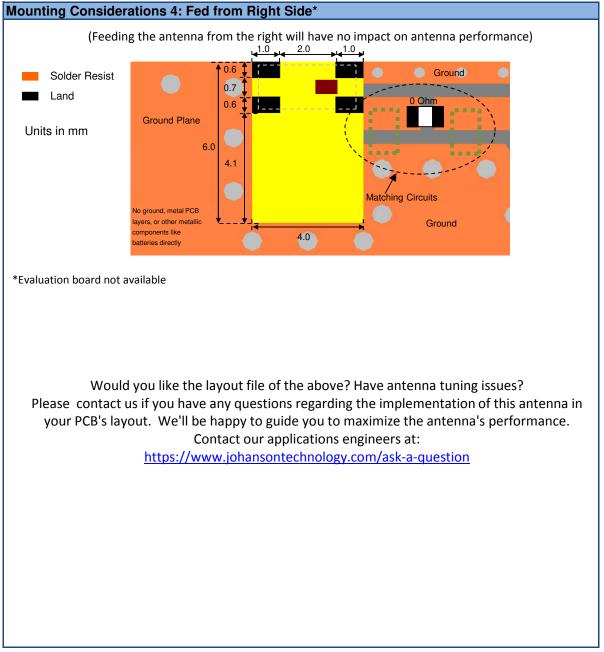
Ver. 4.4

# 2.45 GHz SMD Antenna, EIA 1206, Detuning resilient, Edge Mount Design

P/N 2450AT18D0100

Page 6 of 7

Detail Specification: 5/26/2021



Johanson Technology, Inc. reserves the right to make design changes without notice. All sales are subject to Johanson Technology, Inc. terms and conditions.



https://www.johansontechnology.com 4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

2021 Johanson Technology, Inc. All Rights Reserved

Ver. 4.4

2.45 GHz SMD Antenna, EIA 1206, Detuning resilient, Edge Mount Design P/N 2450AT18D0100

Detail Specification: 5/26/2021

Page 7 of 7

Antenna tuning, optimization, and validation services: https://www.johansontechnology.com/ipc-antenna-services

For more antennas and to download measured S-parameters, go to: https://www.johansontechnology.com/antennas

**Soldering Information** 

https://www.johansontechnology.com/ipcsoldering-profile

MSL Info

https://www.johansontechnology.com/msl-rating

**Packaging Information** 

https://www.johansontechnology.com/tape-reel-packaging

For layout review contact our applications team at:

https://www.johansontechnology.com/ask-a-question

**RoHS** Compliance

https://www.johansontechnology.com/rohs-compliance

Recommended Storage Condition and Max Shelf Life

https://www.johansontechnology.com/recommended-storage-conditions

Johanson Technology, Inc. reserves the right to make design changes without notice. All sales are subject to Johanson Technology, Inc. terms and conditions.



https://www.johansontechnology.com 4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

Ver. 4.4

### **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Antennas category:

Click to view products by Johanson manufacturer:

Other Similar products are found below :

 GAN30084EU
 930-033-R
 GW17.07.0250E
 1513563-1
 EXE902SM
 APAMPG-117
 MAF94383
 W3908B0100
 W6102B0100
 YE572113 

 30RSMM
 108-00014-50
 66089-2406
 SPDA17RP918
 A09-F8NF-M
 A09-F5NF-M
 RGFRA1903041A1T
 W3593B0100
 W3921B0100

 SIMNA-868
 SIMNA-915
 SIMNA-433
 W1044
 W1049B090
 A75-001
 WTL2449CQ1-FRSMM
 CPL9C
 EXB148BN
 0600-00060

 TRA9020S3PBN-001
 Y4503
 GD5W-28P-NF
 MA9-7N
 GD53-25
 GD5W-21P-NF
 C37
 MAF94051
 MA9-5N
 EXD420PL
 B1322NR

 QWFTB120
 MAF94271
 MAF94300
 GPSMB301
 FG4403
 A0-AGSM-0M54
 5200232
 MIKROE-2349
 WCM.01.0111
 MIKROE-2393

 MIKROE-2352
 MIKROE-2352
 MIKROE-2352
 MIKROE-2352
 MIKROE-2352
 MIKROE-2352
 MIKROE-2352