

## PRODUCT CHANGE NOTICE PCN Form (D4-E000-73)

**PCN#19-049-10**

**NOTIFICATION DATE: April 25, 2019**

### **MODEL(S) AFFECTED:**

MMIC Devices using Package types:

**MAV, MCLP, MXC, MXP, SOIC, SOT-143, SOT-23, SOT-89** (see attached list for specific models)

### **EXTENT OF CHANGE:**

- Replacement of existing SnAgNi (tin-silver over nickel) plating with industry standard 100% Matte-Tin for RoHS + suffix part numbers

### **EFFECT OF CHANGE:**

- No change to FIT (dimensions) or FUNCTION (electrical or process performance)
- Change to FORM in the surface plating used to interface with customer assembly
- Surface plating for affected models is evaluated and qualified per our standard process for solderability, joint reliability and tin whisker and is already in use with other existing Mini-Circuits MMIC products.

### **REASON FOR CHANGE:**

Existing plating supplier shut-down, SnAgNi is unique to this supplier. Matte tin is a well-established RoHS compliant finish in the industry, and currently used extensively at Mini-Circuits on other MMIC products. Mini-Circuits will offer SnPb plating as a customer special for those with 'No Pure Tin' restrictions. Contact Sales for quoted delivery.

### **EFFECTIVE DATE OF CHANGE:**

- Immediate based on exhaustion of stock or customer request
- For Samples if required, please contact your account manager or click on "[Contact Us](#)" to be contacted by a Mini-Circuits customer service representative

### **LAST TIME BUY OF EXISTING SnAgNi PLATED PARTS:**

Acceptance of Last Time Buy Orders (as defined below) is subject to availability of existing SnAgNi plated parts ("Existing Parts") as determined by Mini-Circuits. All Last Time Buy Orders are non-cancellable and non-returnable. For purposes hereof, the term "Last Time Buy Orders" refers to orders for Existing Parts that are placed with Mini-Circuits on or after the notification date of this product change notice.

### **ATTACHMENTS:**

List of applicable models

[Frequently Asked Questions and Qualification Report for the matte tin finish](#)

**QUESTIONS?**

**[PLEASE CONTACT US.](#)**

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**Attachment to PCN#19-049-10**

<b>** List of Affected Models **</b>			
D18PA+	GALI-1-10+	GALI-1-17+	GALI-19-4+
D19GA+	GALI-1-13+	GALI-19+	GALI-2+
EP2K1+	GALI-1-14+	GALI-19-2+	
GALI-1+	GALI-1-16+	GALI-19-3+	