

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

PCN#18-066

NOTIFICATION DATE: September 24, 2018

MODEL(S) AFFECTED:

Existing Model:	Replacement Model:
ROS-4000-419+	ROS-4000-419R+
ZX95-4000-S+	ZX95-4000R-S+

EXTENT OF CHANGE:

1. Replacement of supplied transistors and varactor diodes based on discontinuation of supply with alternate, qualified transistors and varactors.
2. Changes of internal component values to support item 1.

EFFECT OF CHANGE:

No change in FIT or FORM

Change in Function - performance varies from original performance as follows:

Parameters	Existing Model		Replacement Model	
	Original Performance	Original Spec	New Performance	New Spec
Pulling	1.37 to 2.54 MHz	3 MHz/V Typ	0.21 to 5.27 MHz	5 MHz/V Typ
Ph. N @ 1kHz	-72 to -66.6 dBc/Hz	-72 dBc/Hz Typ	-78.6 to -73.8 dBc/Hz	-74 dBc/Hz Typ
Ph. N @ 10kHz	-95.3 to -91.2 dBc/Hz	-96 dBc/Hz Typ	-103.2 to -100.3 dBc/Hz	-99 dBc/Hz Typ
Ph. N @ 100kHz	-116.4 to -113.7 dBc/Hz	-117 dBc/Hz Typ	-124.3 to -121.8 dBc/Hz	-120 dBc/Hz Typ
Ph. N @ 1MHz	-136.5 to -133.8 dBc/Hz	-137 dBc/Hz Typ	-144.2 to -142 dBc/Hz	-140 dBc/Hz Typ

* Change in Absolute max supply voltage from 7V to 6.5V

REASON FOR CHANGE:

Obsolescence of supplied components

EFFECTIVE DATE OF CHANGE:

Exhaustion of stock

ATTACHMENTS:

n/a

Data available to support the change

QUESTIONS?

[PLEASE CONTACT US.](#)