

PRODUCT CHANGE NOTICE

PCN Form (D4-E000-73)

PCN#15-051**NOTIFICATION DATE: July 23, 2015****MODEL(S) AFFECTED:****ROS-5400+ & ZX95-5400-S+****EXTENT OF CHANGE:**

1. Replacement of supplied transistor and varactor diode based on discontinuation of supply with alternate, qualified components.
2. Slight changes of additional internal components to support item 1 and repeat historical performance.

EFFECT OF CHANGE:

No change in FIT or FORM

Slight change in Function - performance differs from original performance as follows:

Parameters	Original Performance	Original spec	New Performance	New Spec
Tuning Sensitivity	101 to 140.1 MHz/V	95 - 135 MHz/V Typ	70.1 to 129.5 MHz/V	70 - 130 MHz/V Typ
Second Harmonic	-41.69 to -28.5 dBc	-30 dBc Typ -15 dBc Max	-53.46 to -37.77 dBc	-30 dBc Typ, -20 dBc Max
Third Harmonic	-43.17 to -27.32 dBc	-30 dBc Typ -15 dBc Max	-53.31 to -26.51 dBc	30 dBc Typ, -20 dBc Max
Fourth Harmonic	-50.48 to -33.35 dBc	-30 dBc Typ -15 dBc Max	-52.27 to -40.89 dBc	30 dBc Typ, -20 dBc Max
Pushing	2.69 to 13.81 MHz/V	10 MHz/V Typ	6.75 to 21.33 MHz/V	14 MHz/V Typ
Pulling	4.08 to 10.04 MHz	7 MHz Typ	0.5 to 15.7 MHz	9 MHz Typ
Ph. N @ 1kHz	-63.6 to -50.5 dBc/Hz	-58 dBc/Hz Typ	-64 to -53 dBc/Hz	-56 dBc/Hz Typ
Ph. N @ 10kHz	-86.3 to -80.6 dBc/Hz	-83 dBc/Hz Typ	-84.7 to -78.8 dBc/Hz	-83 dBc/Hz Typ
Ph. N @ 100kHz	-108.1 to -104.7 dBc/Hz	-105 dBc/Hz Typ	-105.9 to -102.2 dBc/Hz	-104 dBc/Hz Typ
Ph. N @ 1MHz	-128.4 to -125.2 dBc/Hz	-126 dBc/Hz Typ	-126.2 to -122.6 dBc/Hz	-124 dBc/Hz Typ

No addition or removal of components.

REASON FOR CHANGE:

Obsolescence of supplied components

EFFECTIVE DATE OF CHANGE:

Immediate on acceptance by customer

ATTACHMENTS:

Data available to support the change

See datasheets at the links below

[ROS-5400+](#) [ZX95-5400-S+](#)**QUESTIONS?****[PLEASE CONTACT US.](#)**