



ECS Product/Process Change Notice (PCN)

PCN # 05158-ZTA/ZTT

Notification Date: May 15, 2008

Dear Business Partner,

ECS Inc. is aware of the vital importance of notifying its' valuable customer base of any Product or Process changes that may affect a components performance within a customer's circuit design. This notice is for your information and concurrence. It is our intent and desire to issue these notifications in a timely manner as to not affect the work flow of our customer base or incite any undue hardship.

Product Identification

ZTA/ZTT Series Ceramic Resonator
Thru Hole resonators, 5.00 to 6.00 MHz MT version

Description and Purpose of Change:

Description: 5.00 to 6.00 MHz MT version will be converted to MG series which is the lower profile version 7.5 mm Max. vs. 10.0 mm Max.

Purpose: Improve production throughput, production yields, product integrity and offer our customers an improved lower height package.

Manufacturing Location Affected: All Assembly Sites

Reliability Summary (If applicable): ECS, Inc. has completed all characterization of the process change and product performance. Tests consisted of drop shock, vibration, thermal cycling and reflow profile verification (260 Degrees C for 10s).

Part Number Change: This is not a Critical Change to the product but does require a P/N change for the MT series from 5.00 to 6.00 MHz.

Cost Impact: None

Last Time Buy Date/Delivery Date: N/A

- Critical (Change affects fit, form and functionality of the component. Would require sample submission)
- Non-Critical (Change does not affect fit, form or functionality of the component. Does not require sample submission.)

The following personnel are authorized to issue such notices.

Dan Kelly	Director of Component Engineering	dank@ecsxtal.com	Corporate Headquarters: Olathe, Kansas USA
Brad Slatten	Director of Quality Assurance	brads@ecsxtal.com	Corporate Headquarters: Olathe, Kansas USA

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