

Apex Tech Alert – Products with Increased Quiescent Current (Iq)

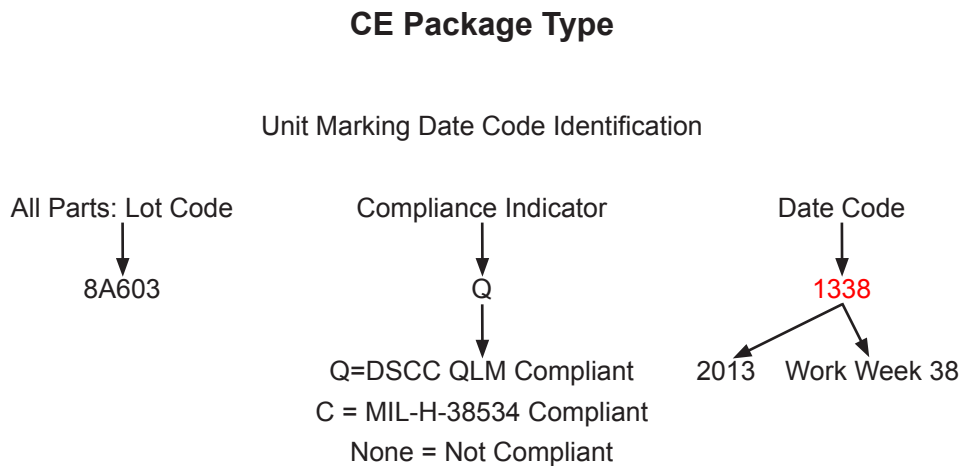
Certain Apex devices manufactured after 12/17/2013 (Date Code 1338 or later) have higher maximum quiescent current (Iq) values than their datasheet specifications. This is due to the replacement of an obsoleted component inside those devices. See Table 1 for affected device models and their old/new Iq values. See Fig. 1 for Date Code identification.

Apex is in the process of redesigning the device to accommodate replacement component, returning Iq to original values. This process is expected to be completed before 12/17/2014.

TABLE 1

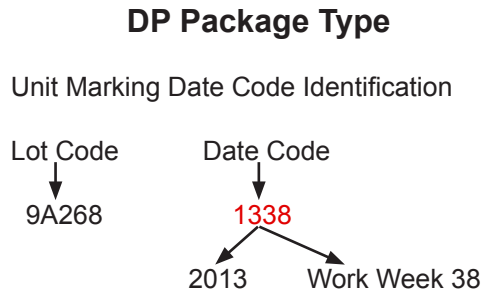
Increases in Iq max				
Model	Old Iq Max.	New Iq Max.	Conditions	Package Type
PA81J	8.5mA	11.7mA	Vs = +/-75V	CE
PA81J-B	8.5mA	11.7mA	Vs = +/-75V	CE
PA82J	8.5mA	11.7mA	Vs = +/-150V	CE
PA83	8.5mA	11.7mA	Vs = +/-150V	CE
PA83A	8.5mA	11.7mA	Vs = +/-150V	CE
PA84	7.5mA	10.7mA	Vs = +/-150V	CE
PA84A	7.5mA	10.7mA	Vs = +/-150V	CE
PA84S	7.5mA	10.7mA	Vs = +/-150V	CE
PB51	18mA	21.2mA	Vs = +/-150V	DP
PB51A	18mA	21.2mA	Vs = +/-150V	DP
PA58	18mA	21.2mA	Vs = +/-150V	CE
PB58-S	18mA	21.2mA	Vs = +/-150V	CE
PB58A	18mA	21.2mA	Vs = +/-150V	CE

FIGURE 1



Tech Alert

FIGURE 2



Reference Document

[Apex PCN-2013-0482](http://www.apexanalog.com/quality-3/product-change-notice/) (<http://www.apexanalog.com/quality-3/product-change-notice/>)

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