

# ***Engineering Bulletin***

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***ECLIPSE***  
**Engineering Bulletin**  
No: 

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**Product : T150, T500 with RA30 series power modules**

**Topic : Overshooting of Output Power**

**Date : 13/01/2006**

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The power modules in Eclipse T500, T150 exciter have been changed to RA30 series since Mitsubishi stop production the M series power module.

As the new RA30H series power modules have higher gain and maximum power than M series, the output power overshooting will be larger than the M series modules which previous used in eclipse exciter.

To reduce the overshooting, modifications need to be done as following:

For T500 exciter (PCB part number 30/9149/0003)

1. Change C33 to 1uF
2. Change R13 to 2.2Kohm
3. Change R6 to 10Kohm
4. Change C14 to 100nF

For T150 exciter (PCB part number 30/9117/0003)

Remove C29

Above changes (EAR258, EAR259) will be done in production from January 2006

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