

MODIFICATION RECOMMENDED

33250A-03B

S E R V I C E N O T E

Supersedes:
33250A-03A

33250A 80 MHz Function/Arbitrary Waveform Generator

Serial Numbers: See Table Below

Internal Clock Reference Calibration Error

Parts Required:

| P/N | Description | Qty. |
|------|-------------|------|
| NONE | | |

ADMINISTRATIVE INFORMATION

| | | | |
|---------------------------------|---|--|---|
| SERVICE NOTE CLASSIFICATION: | | | |
| MODIFICATION RECOMMENDED | | | |
| ACTION CATEGORY: | <input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME | STANDARDS | LABOR: 1.0 Hours |
| LOCATION CATEGORY: | <input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER <input type="checkbox"/> CHANNEL PARTNER | SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT | USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT |
| AVAILABILITY: | PRODUCT'S SUPPORT LIFE | NO CHARGE AVAILABLE UNTIL: April 2012 | |
| AUTHOR: | SM | PRODUCT LINE: SP | |
| ADDITIONAL INFORMATION: | | | |

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Rev. 17



Situation:

Due to an error in the calibration test system, the 10 MHz clock reference in your 33250A may have been improperly calibrated. As a result your 33250A could exhibit up to a 40 Hz offset.

This error scales as a percentage of the output frequency. For example: the error at DC would be 0 Hz, the error at 10 MHz would be 40 Hz and the error at 80 MHz would be 320 Hz.

If your serial number does not appear in the below table, then your unit is not affected and this service note does not apply.

| | | | | | |
|------------|------------|------------|------------|------------|------------|
| MY40020625 | MY40025668 | MY40025880 | MY40025963 | MY40026042 | MY40026125 |
| MY40020684 | MY40025670 | MY40025881 | MY40025964 | MY40026044 | MY40026126 |
| MY40020723 | MY40025673 | MY40025882 | MY40025965 | MY40026045 | MY40026127 |
| MY40021390 | MY40025674 | MY40025883 | MY40025966 | MY40026046 | MY40026128 |
| MY40021440 | MY40025675 | MY40025884 | MY40025968 | MY40026047 | MY40026131 |
| MY40021461 | MY40025676 | MY40025885 | MY40025969 | MY40026049 | MY40026132 |
| MY40021463 | MY40025677 | MY40025886 | MY40025970 | MY40026050 | MY40026133 |
| MY40025421 | MY40025678 | MY40025889 | MY40025971 | MY40026051 | MY40026134 |
| MY40025445 | MY40025682 | MY40025890 | MY40025973 | MY40026053 | MY40026135 |
| MY40025447 | MY40025683 | MY40025891 | MY40025974 | MY40026055 | MY40026136 |
| MY40025455 | MY40025692 | MY40025892 | MY40025975 | MY40026056 | MY40026138 |
| MY40025456 | MY40025697 | MY40025893 | MY40025976 | MY40026059 | MY40026139 |
| MY40025460 | MY40025698 | MY40025894 | MY40025977 | MY40026060 | MY40026141 |
| MY40025468 | MY40025703 | MY40025895 | MY40025978 | MY40026061 | MY40026142 |
| MY40025481 | MY40025707 | MY40025896 | MY40025979 | MY40026062 | MY40026143 |
| MY40025498 | MY40025712 | MY40025897 | MY40025980 | MY40026063 | MY40026144 |
| MY40025517 | MY40025715 | MY40025900 | MY40025987 | MY40026064 | MY40026146 |
| MY40025520 | MY40025718 | MY40025901 | MY40025988 | MY40026065 | MY40026147 |
| MY40025521 | MY40025722 | MY40025902 | MY40025989 | MY40026066 | MY40026148 |
| MY40025525 | MY40025723 | MY40025903 | MY40025991 | MY40026067 | MY40026150 |
| MY40025528 | MY40025724 | MY40025904 | MY40025994 | MY40026068 | MY40026151 |
| MY40025531 | MY40025725 | MY40025905 | MY40025995 | MY40026070 | MY40026153 |
| MY40025545 | MY40025726 | MY40025906 | MY40025996 | MY40026075 | MY40026154 |
| MY40025551 | MY40025728 | MY40025907 | MY40025997 | MY40026076 | MY40026156 |
| MY40025552 | MY40025731 | MY40025908 | MY40025998 | MY40026077 | MY40026157 |
| MY40025556 | MY40025734 | MY40025909 | MY40025999 | MY40026080 | MY40026158 |
| MY40025557 | MY40025736 | MY40025910 | MY40026000 | MY40026081 | MY40026159 |
| MY40025559 | MY40025737 | MY40025912 | MY40026001 | MY40026082 | MY40026163 |
| MY40025561 | MY40025739 | MY40025913 | MY40026002 | MY40026083 | MY40026164 |
| MY40025562 | MY40025740 | MY40025914 | MY40026003 | MY40026085 | MY40026165 |

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|------------|------------|------------|------------|------------|------------|
| MY40025585 | MY40025741 | MY40025915 | MY40026005 | MY40026086 | MY40026167 |
| MY40025591 | MY40025744 | MY40025916 | MY40026006 | MY40026087 | MY40026169 |
| MY40025592 | MY40025810 | MY40025917 | MY40026007 | MY40026088 | MY40026170 |
| MY40025593 | MY40025816 | MY40025918 | MY40026008 | MY40026090 | MY40026171 |
| MY40025594 | MY40025821 | MY40025919 | MY40026009 | MY40026092 | MY40026172 |
| MY40025595 | MY40025830 | MY40025920 | MY40026010 | MY40026093 | SG40006711 |
| MY40025610 | MY40025831 | MY40025921 | MY40026011 | MY40026094 | SG40006712 |
| MY40025612 | MY40025834 | MY40025922 | MY40026012 | MY40026095 | SG40006713 |
| MY40025614 | MY40025835 | MY40025923 | MY40026013 | MY40026097 | SG40006714 |
| MY40025616 | MY40025836 | MY40025924 | MY40026014 | MY40026098 | SG40006715 |
| MY40025617 | MY40025851 | MY40025925 | MY40026015 | MY40026099 | SG40006716 |
| MY40025618 | MY40025852 | MY40025926 | MY40026023 | MY40026100 | SG40006717 |
| MY40025621 | MY40025861 | MY40025927 | MY40026024 | MY40026101 | SG40006718 |
| MY40025622 | MY40025862 | MY40025928 | MY40026025 | MY40026102 | SG40006719 |
| MY40025629 | MY40025863 | MY40025929 | MY40026026 | MY40026103 | SG40006720 |
| MY40025636 | MY40025864 | MY40025950 | MY40026027 | MY40026104 | SG40006721 |
| MY40025637 | MY40025865 | MY40025951 | MY40026028 | MY40026105 | SG40006722 |
| MY40025648 | MY40025866 | MY40025952 | MY40026030 | MY40026106 | SG40006723 |
| MY40025649 | MY40025867 | MY40025954 | MY40026031 | MY40026114 | SG40006724 |
| MY40025652 | MY40025868 | MY40025955 | MY40026032 | MY40026115 | SG40006725 |
| MY40025654 | MY40025869 | MY40025956 | MY40026033 | MY40026117 | SG40006727 |
| MY40025658 | MY40025873 | MY40025957 | MY40026035 | MY40026118 | SG40006729 |
| MY40025659 | MY40025874 | MY40025958 | MY40026036 | MY40026119 | SG40006733 |
| MY40025661 | MY40025875 | MY40025959 | MY40026037 | MY40026120 | SG40006738 |
| MY40025663 | MY40025877 | MY40025960 | MY40026038 | MY40026122 | SG40006739 |
| MY40025664 | MY40025878 | MY40025961 | MY40026039 | MY40026123 | |
| MY40025667 | MY40025879 | MY40025962 | MY40026041 | MY40026124 | |

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|------------|------------|------------|------------|------------|------------|
| MY40025515 | MY40025839 | MY40025844 | MY40025850 | MY40025876 | SG40006737 |
| MY40025573 | MY40025840 | MY40025845 | MY40025854 | SG40006710 | SG40006730 |
| MY40025687 | MY40025841 | MY40025846 | MY40025855 | SG40006708 | SG40006731 |
| MY40025689 | MY40025842 | MY40025848 | MY40025856 | SG40006709 | SG40006735 |
| MY40025838 | MY40025843 | MY40025849 | MY40025857 | SG40006736 | |

Solution/Action:

We recommend the unit be sent to the nearest local service center for a free recalibration.