

Modification Sheet  
for  
Models 8882 and 8883

These Load Resistor Models consist of all of the same essentials as those of the Model 888 except as noted on this sheet. The significant difference is the coolant used, which is Bird Type D Coolant (1.7 gal.) in place of Dowtherm A. This is a high temperature stability fluid which raises the permissible operating temperatures and increases the power load rating. The revised rf input power values and VSWR ranges for these Models are as follows:

<u>Model</u>	<u>Cont. Averg.</u>	<u>Peak Power</u>	<u>VSWR</u>	<u>Freq. Range</u>
8882	2.5KW	100KW	1.1 to 1	13.5 - 27 Mc
8883	"	"	1.1 to 1	0 - 30 Mc

The freezing point of OS-59 Coolant is about  $-40^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$ ). This is very much lower than that of Dowtherm A, so that the precautions noted for coolant congealing ( $10^{\circ}\text{C}$ ) in the Model 888 Handbook will seldom need consideration.

The Model 8882 has a beveled V-clamp 3-1/8 inch 50 ohm connector. The male fitting provided on this is Dielectric Products No. 6571. It is clamped to its mating connector with a V-Band Coupling, single latch type, such as Marman Products No. 4365C-453M. When the proper O-ring gaskets are attached, these connectors are usable with appropriate pressurized lines. Model 8883 uses the same input connector as Model 888 (3-1/8 EIA).

The changes applicable to the List of Replaceable Parts are:

<u>Qty.</u>	<u>Part No.</u>		<u>Replaces</u>	<u>Model</u>
1	888203	Resistor Housing	351027	8882
1	888302	" "	351027	8883
1.7 gal.	5267	Type D Coolant	Dowtherm A	Both

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