DRAKE DL-1000 Dummy Load Modifications

- Improves SWR, remains low up to 450 MHz

- Adds attenuator output (-30 dB and -40 dB with pad)

Jacques, VE2AZX Oct. 2016

Drake DL-300 & DL-1000 Dummy Load Derating Curve Information



The DL300/DL1000 dummy loads should be used in conjunction with the derating curve shown if power is to be applied for a period exceeding 30 seconds. Allow adequate cooling-off periods when needed, to prevent exceeding the rating dictated by the derat-

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The DL300 connects directly to a SO239 connector, eliminating the need for an interconnecting coax cable. DO NOT ATTEMPT REMOVAL OF THE DL300 AFTER USE UNTIL IT HAS COOLED, OR A SEVERE BURN COULD RE-SULT.

ing curve. Failure to do this will drastically reduce

the life of the resistive element. A good rule to follow

is to allow one minute cooling-off periods between use.

The DL1000 should be connected to the transceiver, transmitter, etc. using a convenient length of 50 ohm coaxial cable.

The broken curve shows the expanded rating limitations of the DL1000 when the MODEL1529 (FA7) cooling fan is added to the DL1000 to provide forcedair cooling of the resistive element.

> Impedance: 50 ohm Hesistive, Nominal (SWR 1.1:1 Max., 0-30 MHz) SWR: DL300, Model 1550 1.1:1 max., 0-30 MHz 1.5:1 max., 30-160 MHz DL1000, Model 1551 1.5:1 max., 0-30 MHz

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DRAKE DL1000 Modified Dummy load

Improved SWR, remains low up to 450 MHz
Adds attenuator output (-30 dB and -40 dB with pad)



SIGNAL PICK UP



SIGNAL PICK UP close up



Rear Output











10 dB Compensated Pad

- Increases the max input power to 1000 W, instead of 250 W max at 30 dB attenuation
- Allows response compensation at low and high frequencies.

10 dB Compensated Pad

