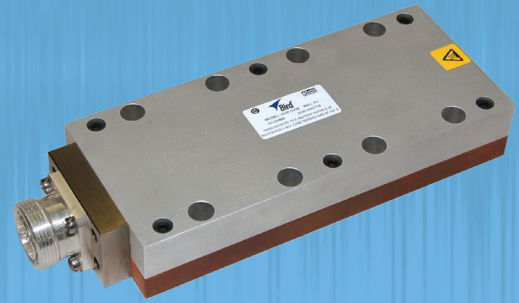




Digital Conduction Cooled Loads

750-CT, 1500-CT, 2500-CT



The RF Experts

Bird is proud to offer an extension to its line of Conduction-Cooled Dry Terminations. These loads are specifically designed for use in Digital Power applications and are capable of handling a large amount of peak power for a conduction cooled load as well as power spikes as high as 10 times the maximum average power.

- Rugged Reliability provides years of trouble free use
- Handles >10 dB Peak to Average power ratio
- 1.25:1 Maximum VSWR
- Fully shielded against the production of extraneous radiation
- Compact size, lightweight
- Easy to use

PROBLEMS/SOLUTIONS

Operate with Digital Modulation

- Capable of handling 10dB peaks

Space Constraints

- Small package size

Require multiple connector options

- Quick Connector (QC) interface offers a large variety of options

APPLICATIONS

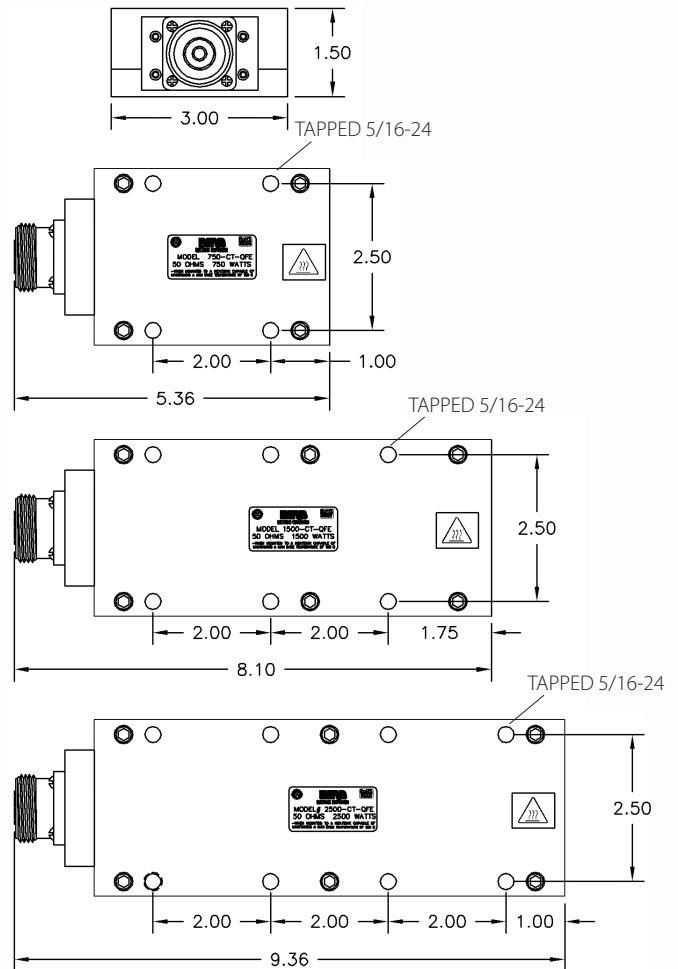
This family of Digital Conduction Cooled loads is ideally suited to both primary applications for loads: in Dummy Load applications, where the load must terminate the full generated power, and in Reject Load applications, where power must be dissipated continuously on the reject port of a combining system.

Digital Conduction Cooled Loads

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SPECIFICATIONS

Power Rating*	750-CT	750 W
	1500 CT	1.5 kW
	2500 CT	2.5 kW
Frequency Range	DC to 1.0 GHz	
Peak to Average Power	>10 dB	
VSWR	1.3:1 max.	
Impedance	50 Ohms (nominal)	
Connector	"QC" 7/16 DIN Female normally supplied	
Coolant	Dry (Conduction Cooled)	
Dimensions (mm)	750-CT	5.36" x 3.00" x 1.50" (138 mm x 78 mm x 38 mm)
	1500 CT	8.10" x 3.00" x 1.50" (208 mm x 78 mm x 38 mm)
	2500 CT	9.36" x 3.00" x 1.50" (240 mm x 78 mm x 38 mm)
Weight (kg)	750-CT	2.3 lbs (1.1 kg)
	1500 CT	3.5 lbs (1.6 kg)
	2500 CT	4.2 lbs (2 kg)
Operating Position	Any	
Protection Rating	IP60	
Ambient Temperature	-40°C to +55°C	
Finish	Chromate Coating on Aluminum/Copper	
RoHS Compliant	Yes	



*When mounted in a heatsink capable of maintaining a maximum case temperature of 100 °C



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Loads-Digital-Conduction-Cooled-750-CT-1500-CT-2500-CT-DS-10272016-DS-04192018