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Isolator MW1006A-210EC

Waveguide Components

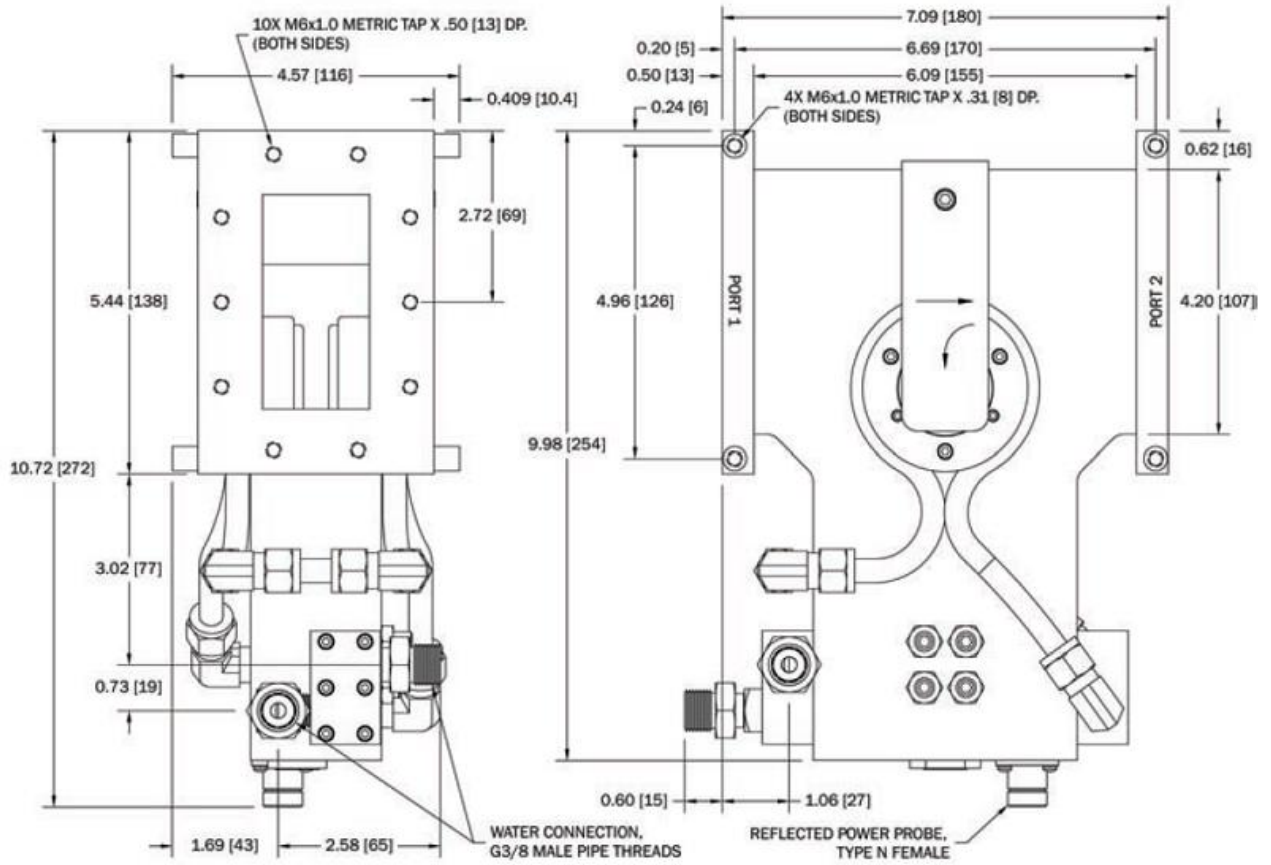
In industrial microwave heating systems, circulators are used as a safety component to shield the power generators from reflected power. If the microwave application does not absorb all the microwave energy provided, this remaining energy returns to its source, the magnetron. The intermediate circulator diverts the reflected power into a water load and protects the magnetron from long-term damage and overheating. A combination of circulator and water load is also called an isolator, as it isolates and protects the RF energy source from the downstream microwave application.

Characteristics:

- Low losses
- High reliability
- Low VSWR
- Low input attenuation
- RF power max.: 6000 W
- Frequency: 2450 MHz \pm 25 MHz



Exterior dimensions:





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Specifications:

Frequency:	2450 MHz ± 25 MHz	MHz
RF power max.:	6000	W
VSWR:	1,2 : 1	-
Waveguide type, port 1:	Waveguide	-
Waveguide type, port 2:	Waveguide	
Waveguide type, port 3:	-	
Waveguide size, port 1:	WR340 / R26	-
Waveguide size, port 2:	WR340 / R26	
Waveguide size, port 3:	-	
Waveguide flange, port 1:	UDR	-
Waveguide flange, port 2:	UDR	
Waveguide flange, port 3:	-	
Waveguide mounting, port 1:	10x female thread M6	-
Waveguide mounting, port 2:	10x female thread M6	
Waveguide mounting, port 3:	-	
Waveguide material, port 1:	Aluminum	-
Waveguide material, port 2:	Aluminum	
Waveguide material, port 3:	-	
Width:	272 (10,71)	mm (inch)
Height:	116 (4,57)	mm (inch)
Depth:	180 (7,09)	mm (inch)
Mass (weight):	4,9 (10,80)	kg (lbs)
Cooling water connection:	G3/8" (BSPP)	-
Cooling water pressure:	4 - 6 (58,02 - 87,02)	bar (psi)
Cooling water flow rate per kW power:	≥ 4 (1,06)	l/min (US gal/min)
Cooling water temperature:	+10 - +50 (+50 - +122)	°C (°F)