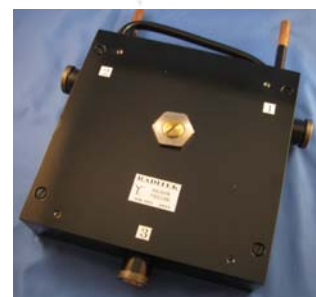
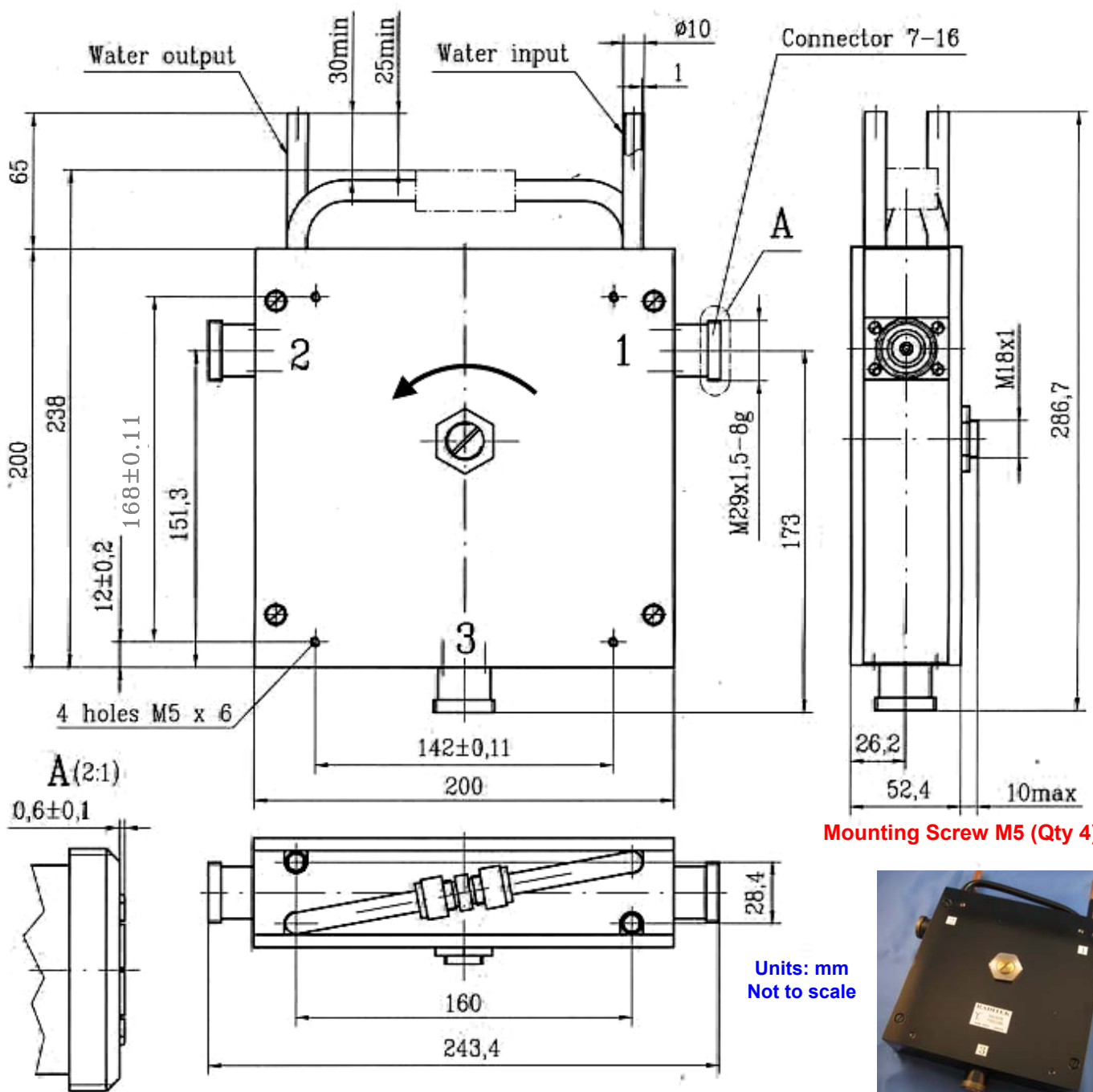


Coaxial Circulator, 79.5-81.5MHz or 80-81MHz, Water cooled 7/16 EIA or 1 5/8 EIA Female Connectors, 2kW/ 2.2kW/ 4kW



Coaxial Circulator, 79.5-81.5MHz or 80-81MHz, Water cooled 7/16 EIA or 1 5/8 EIA Female Connectors, 2kW/ 2.2kW/ 4kW

Direction of RF:	
L	Default ◀

Order Examples: RAD**C**-80-81M-7/16(23)-2.2kW**L**
C=CIRCULATOR

7/16 or 1 5/8 Connector options (X)			
		Circulator	
Port 1	Port 2	Port 3 Male	Port 3 Female
Female	Male	-11	-21
Male	Female	-12	-22
Female	Female	-13	-23
Male	Male	-14	-24

Specifications	Model 1		Model 2		Units
Frequency	79.5-81.5	79.5-81.5	80-81	80-81	MHz
Insertion loss	0.4	0.4	0.4	0.4	dB (max)
Isolation	20	20	20	20	dB (min)
VSWR	1.25:1	1.25:1	1.25:1	1.25:1	
Avg Fwd Power	2	4	2.2	2.2	kilowatts CW
Avg Rev Power	2	4	2.2	2.2	kilowatts CW
Operating Temp Range	0 to +40	0 to +40	0 to +40	0 to +40	°C
Storage Temp Range	-40 to +70	-40 to +70	-40 to +70	-40 to +70	°C
Humidity Operating @ +40 °C	Up to 95%	Up to 95%	Up to 95%	Up to 95%	
Humidity Storage	Up to 100%	Up to 100%	Up to 100%	Up to 100%	
Connector	7/16 Female	1 5/8 Female	7/16 Female	7/16 Female	
Dimensions w/out connectors	200 x 200 x 52.4	220 x 220 x 80	200 x 200 x 52.4	200 x 200 x 52.4	mm
Weight Approx	10	TBA	10	10	kg
Water input Temperature Range	29-35	29-35	29-35	29-35	°C
Water Flow	2	2	2	2	Liter/Minute (min)
Water Pressure	100 150	100 150	100 150	100 150	psi (avg) psi (max)
Distortion				-40	dBc
Harmonic and Non-Harmonic Distortion				≤ -40	dBc
			MSU - NSCL	MSU - FRIB	

The best place for thermistor is on the device top near tuning screw.
Maximum temperature at device body +60°C

Note: the distortion requirement was relaxed from -70 dBc (in the original RFP) to -40 dBc. We don't expect these to be difficult or add cost.

1. Harmonic and non-harmonic distortion -40 dBc
2. Surge 8kW, 10mS (max duty cycle to be provided by the supplier)