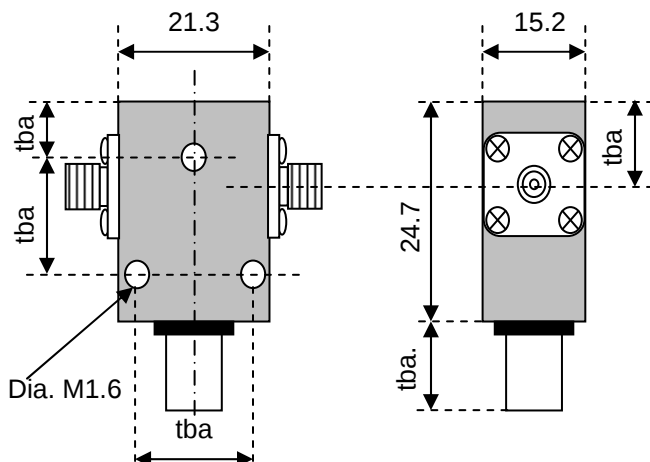


Coaxial Isolator or Circulator, 8-12GHz, Cryogenic, 0.02-77°K SMA Connectors, 1 Watt

4-77°K operation (Isolator & Circulator)
0.02-4°K operation (for Circulator Only)



Tolerance Table Metric (inch)

(unless otherwise stated):

Hole diameter +/- 0.1mm, (+/- 0.004")

Dimensions (w*h) +/- 0.3 mm, (+/- 0.015")

Dimensions (Coax Connector position) +/-

0.3mm, (+/- 0.012")

Dimensions (hole position) +/- 0.1mm, (+/- 0.04")

Machined surfaces

Flatness 0.025/mm, (0.001/ inch)

Bend radius 0.8mm, (0.031" or 1/32")

Units: mm
Not to scale

Direction of RF:

R	Default	▶
L		◀

Order Examples: RAD**I**-8-12-Cryo-4-77K-S3-1WR-b
I=ISOLATOR / C=CIRCULATOR

SMA Connector options (X)

Isolator			Circulator	
Port 1	Port 2		Port 3 Male	Port 3 Female
Female	Male	-1	-11	-21
Male	Female	-2	-12	-22
Female	Female	-3	-13	-23
Male	Male	-4	-14	-24

Standard Specifications:	0.02-4°K Circulator only	4-77°K *	Units
Frequency	8-12	8-12	GHz
Insertion loss	0.6	0.5	dB (maximum) typical
Isolation	17	18	dB (minimum)
VSWR	1.35:1	1.30:1	Maximum
Rated power (forward)	1	1	Watts (average)
Rated power (reverse)	1	1	Watts (average)
Operating temperature	0.02-4	4-77	°K
Non operating	-42 to 85	-42 to 85	°C
Finish	Bright Nickel plated finish.		

RADCorI-8-12-Cryo-0.02-77K-SX-1WR-b

Specifications may be subject to change

08/28/12

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