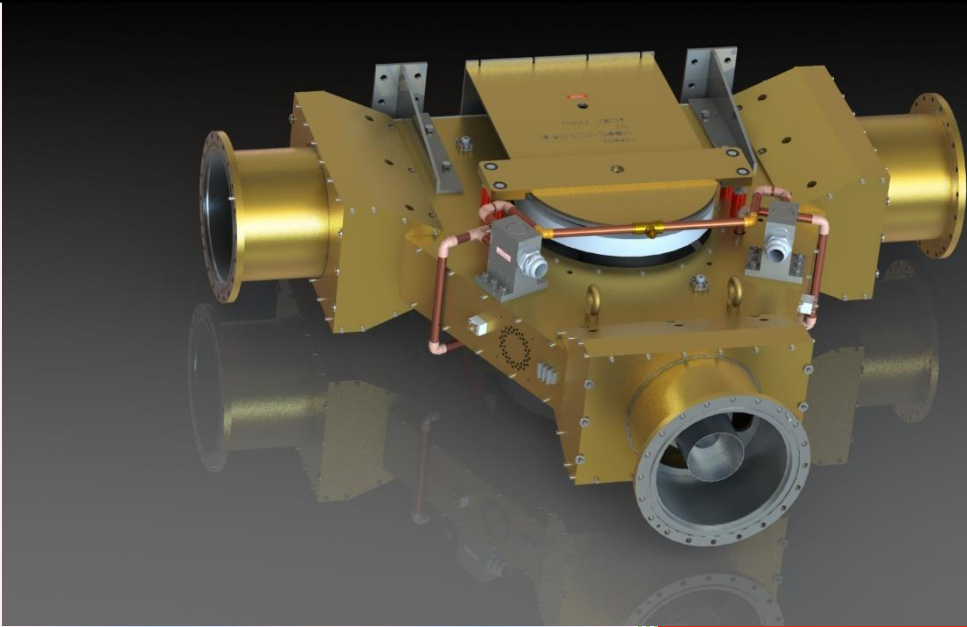
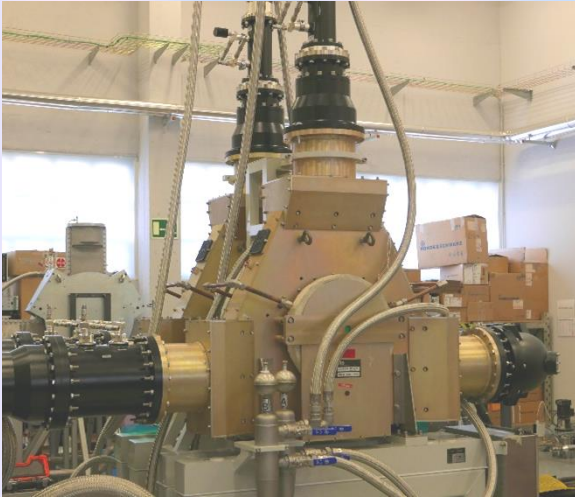


SRF2015

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Customer Example: Indra Sistemas, S.A.

The high power UHF circulators (above) are being used as part of the IFMIF-EVEDA. They belong to CIEMAT in Spain and are part of the LIPAc Accelerator. Indra Sistemas, S.A. is the main supplier of RF power for the accelerator.

Product Specifications

Name: UFC3-539

Frequency (MHz): 175±0.6

Continuous Wave Power (kW): 220

Reverse Power: 100% at any phase

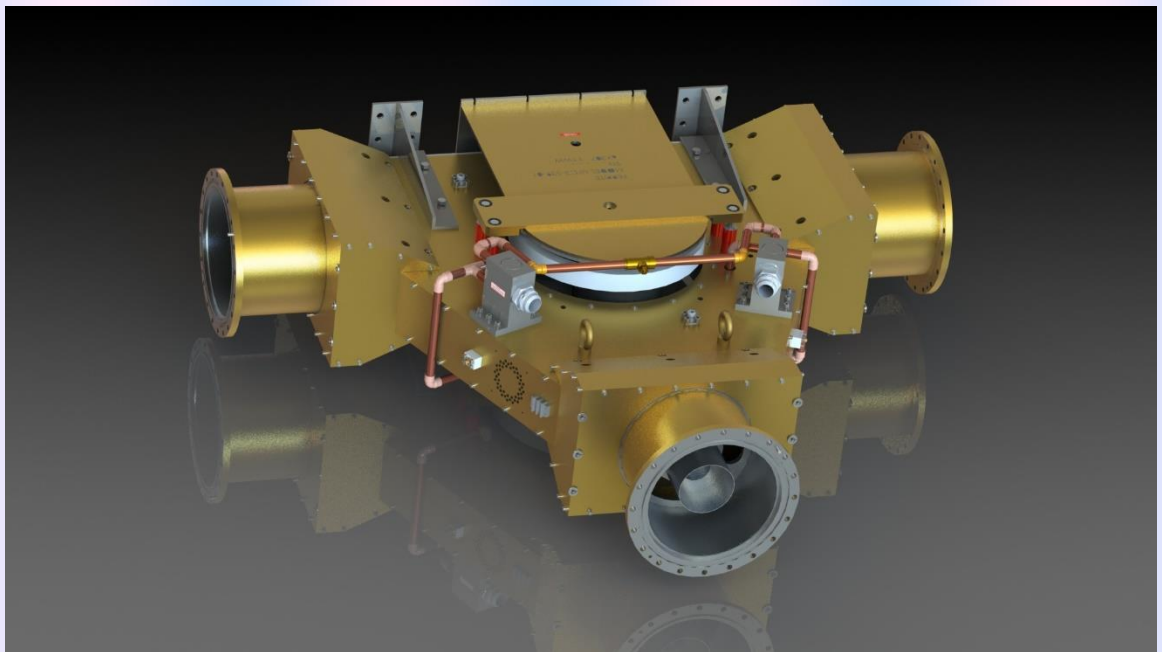
VSWR: ≤ 1.1

Insertion Loss (dB): ≤ 0.15

Isolation (dB): ≤ 26

Coax: 9-3/16 EIA

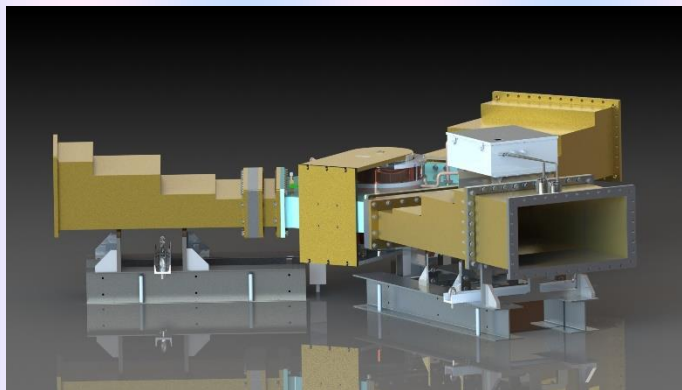
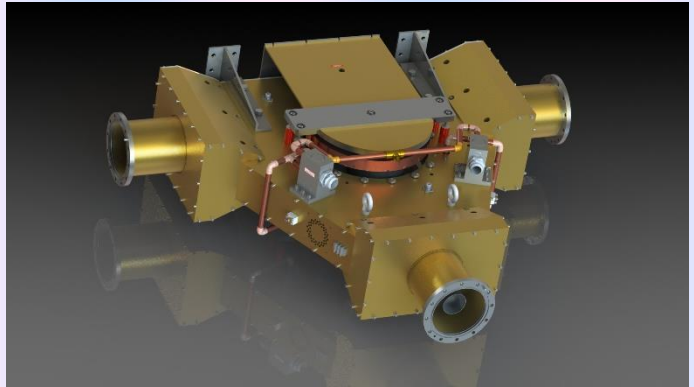
Width: 53 inches (4.4 feet)



We offer circulators for every stage of your accelerator development program. Regardless of your starting frequency, our team of engineers and technicians will work to ensure your source protection is scalable as you add power.

UFC3-538 (176)

Frequency (MHz): 175 ± 0.5
Continuous Wave Power (kW): 135
Reverse Power: 100% at any phase
VSWR: ≤ 1.15
Insertion Loss (dB): ≤ 0.15
Isolation (dB): ≤ 20
Coax: 6-1/8 EIA
Width: 53 inches (4.4 feet)

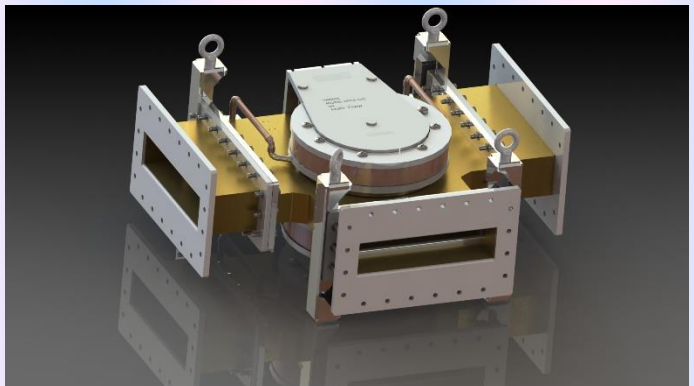


UFC3-533 (352)

Frequency (MHz): 352.209 ± 1
Peak Power (MW): 2.8
Average Power (kW): 150
VSWR: ≤ 1.05
Insertion Loss (dB): ≤ 0.10 MAX
Isolation (dB): ≤ 26
Waveguide: WR2300
Width: 130 inches (10.8 feet)

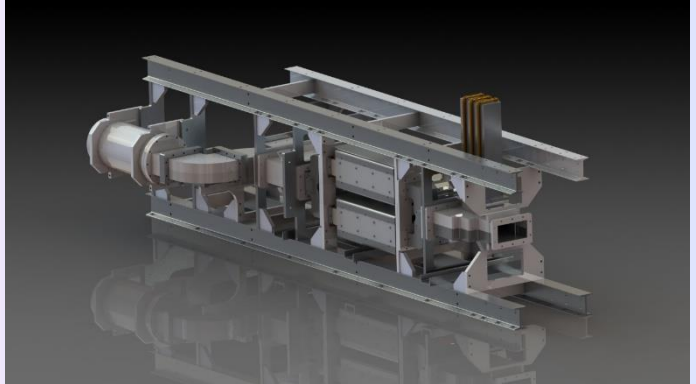
UFC3-542 (704)

Frequency (MHz): 704 ± 3
Peak Power (MW):
Average Power (kW):
VSWR: ≤ 1.15
Insertion Loss (dB): ≤ 0.15
Isolation (dB): ≤ 25
Waveguide: WR1150
Width: 30 inches (2.5 feet)



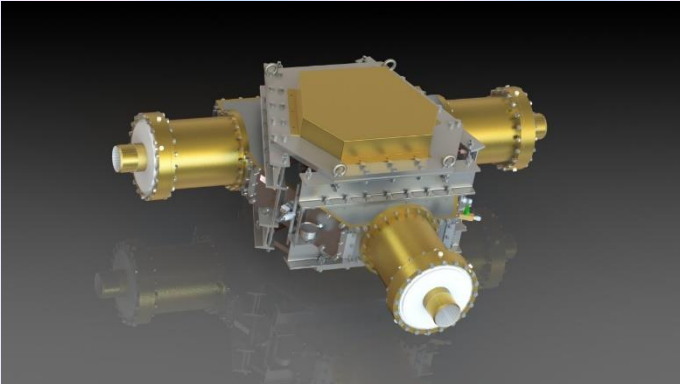
LC3-28

Frequency (MHz): 1300±10
Peak Power (MW): 25
Average Power (kW): 2.5
VSWR: ≤ 1.2
Insertion Loss (dB): ≤ 0.3
Isolation (dB): ≥ 23
Pressurization: 15 PSIG
Waveguide: WR650
Width: 114 inches (9.5 feet)



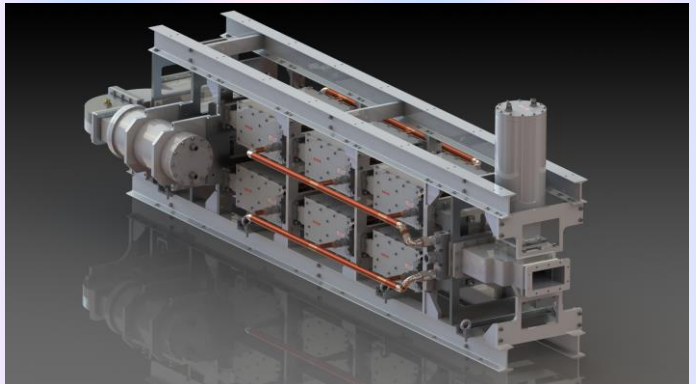
UFC3-545

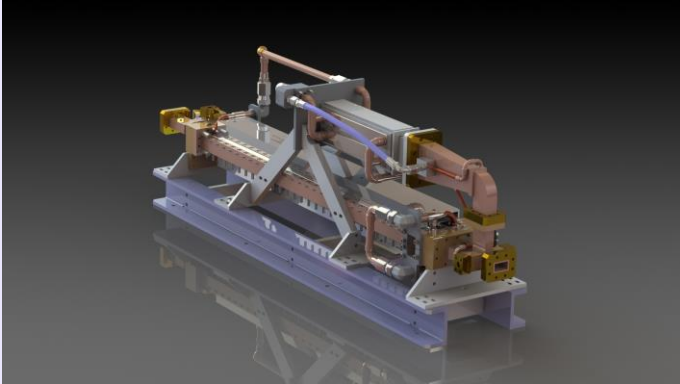
Frequency (MHz): 201.25±1
Peak Power (MW): 6
Average Power (kW): 45
VSWR: ≤ 1.1
Insertion Loss (dB): ≤ 0.15
Isolation (dB): ≤ 26
Pressurization: 45 PSIG
Coax: 9-3/16 EIA
Width: 64 inches (5.3 feet)



LC3-25

Frequency (MHz): 1320±80
Peak Power (MW): 5
Average Power (kW): 315
VSWR: ≤ 1.25 (1.10 @ F0)
Insertion Loss (dB): ≤ 0.3
Isolation (dB): ≥ 25
Pulse Length (ms): 1.1
Waveguide: WR650
Length: 118 inches (9.8 feet)



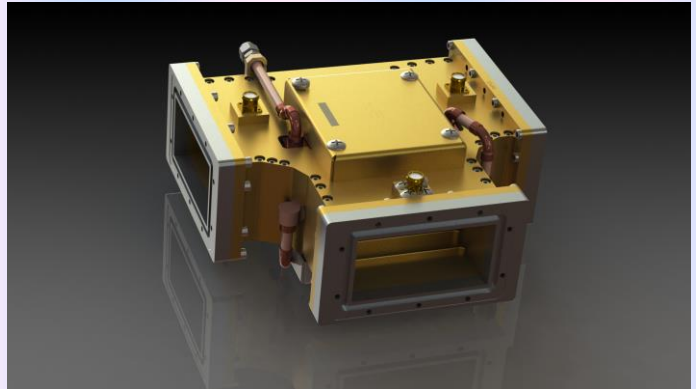


XC3-123

Frequency (GHz): 10
Peak Power (MW): 1
Average Power (kW): 35
Reverse Power: 100% at any phase
VSWR: ≤ 1.05
Insertion Loss (dB): ≤ 0.2
Isolation (dB): ≤ 20
Waveguide: WR90
Length: 38 inches (3.2 feet)

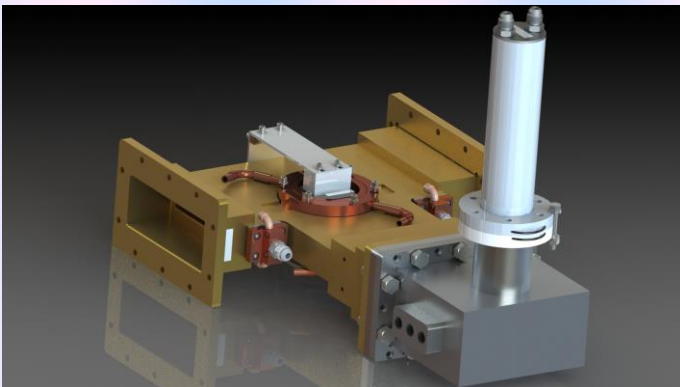
LC3-528

Frequency (MHz): 1300 ± 5
Peak Power (MW): 0.35
Average Power (kW): 5
VSWR: ≤ 1.15
Insertion Loss (dB): ≤ 0.1
Isolation (dB): ≥ 28
Pulse Length (ms): 1.5
Waveguide: WR650
Width: 16 inches (1.3 feet)



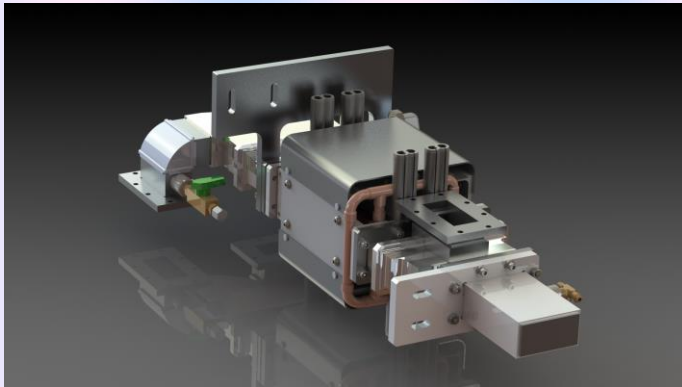
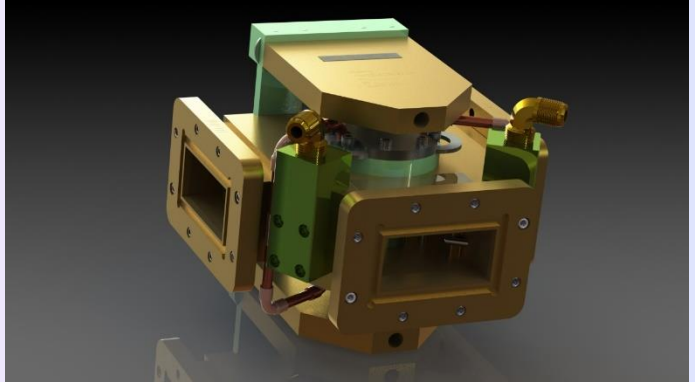
LC3-535

Frequency (MHz): 1497 ± 10
Continuous Wave Power (kW): 13
Reverse Power: 100% at any phase
VSWR: ≤ 1.20
Insertion Loss (dB): ≤ 0.2
Isolation (dB): ≥ 21
Waveguide: WR650
Width: 16 inches (1.3 feet)



SC3-580-05

Frequency (MHz): 2856±4
Peak Power (MW): 6
Average Power (kW): 6
VSWR: ≤ 1.06
Insertion Loss (dB): ≤ 0.05
Isolation (dB): ≤ 30
Waveguide: WR284
Width: 8 inches (0.7 feet)

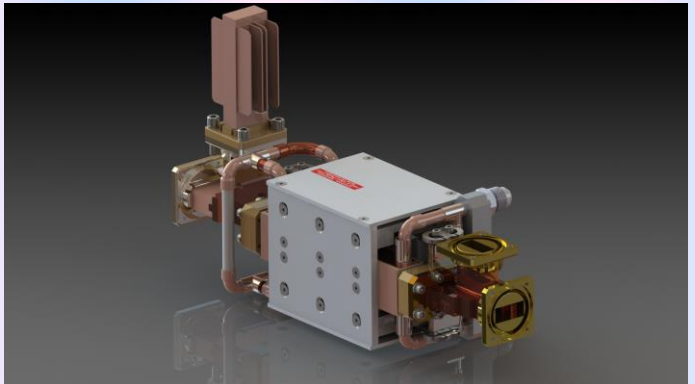


SC3-145

Frequency (MHz): 2856±5
Peak Power (MW): 6
Average Power (kW): 6
VSWR: ≤ 1.06
Insertion Loss (dB): ≤ 0.15
Isolation (dB): ≥ 30
Waveguide: WR284
Length: 30 inches (2.5 feet)

XC3-130

Frequency (MHz): 9290±25
Peak Power (MW): 3
Average Power (kW): 3
VSWR: ≤ 1.13
Insertion Loss (dB): ≤ 0.3
Isolation (dB): ≥ 30
Waveguide: WR112
Width: 14 inches (1.2 feet)



Ferrite

Microwave Technologies

About The Company

Ferrite Microwave Technologies' (FMT) products are preferred for their quality, reliability and performance. With close to 1,200 base models in its library of designs, FMT works in partnership with its clients to develop cost effective solutions when developing new products, upgrading existing requirements or replacing obsolete components. The scope of FMT's captive manufacturing processes allows unmatched attention to quality and culminates with 100% electrical and mechanical testing of every component prior to delivery.



At right: Graeme Bunce
(Microwave Engineering
Manager) tuning a UFC3-533
(seen on page 3)



Located in Nashua, New Hampshire, Ferrite Microwave Technologies houses facilities for design, prototype, analysis, assembly, environmental test and inspection on RF microwave and millimeter wave components and multi-function assemblies.

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