Waveguide Limiter, 5.4-5.9 GHz

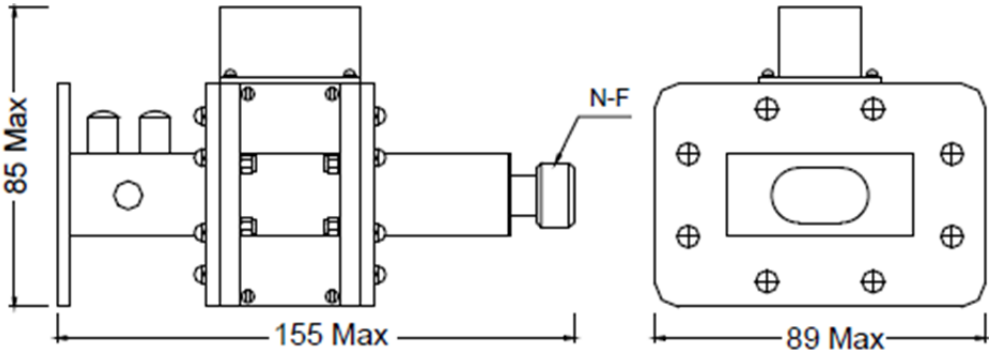
WR187 Package to N female Connector, 100 W Avg, 100 Kilowatts Pk

FEATURES

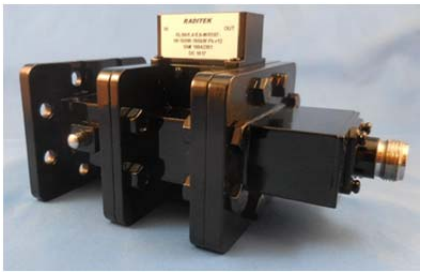
- High Power Handling
- Low Limiting Threshold
- Low Leakage Level
- Miniature Sizes

APPLICATIONS

- Front End Protection for LNA's
- Power Leveling (Limiting)
- Receiver Protection
- Radar&EW system



Limiter and Waveguide to Coaxial Assembly



Units: mm
Not to scale

Order Examples: **RLIM-5.4-5.9-WR187-Nf-100W-100kW-Pk-r12**
Description: *(Waveguide Limiter, 5.4-5.9GHz, WR187 to N female Connector, 100 Watts Average, 100kiloWatts Peak)*

Specifications			**Units**
Frequency range		**5.4-5.9**	GHz
Input Peak Power	Non operate	100	KW
	@ Over Load	1000	KW
Duty Cycle		0.001	%
Pulse width		0.25 (min) -5 (max)	µS
Insertion loss		0.8	dB max
Flatness Leakage		30	mW max
Spike Leakage		200	mW max
VSWR Input/ Output		1.35	:1 max
Recovery time		5	µS max
PRF		292 (min) - 585 (max)	Hz
Environmental			
Operating temperature		-40 to +75	°C
Non-operating Temperature		-55 to +125	°C
Relative Humidity		-95(min) 98%(max) (non-condensing)	%
Altitude (MIL-STD_810F)		10,000(min) to 30,000(max)	
Shock/Vibration (MIL-STD_810F)		Airbone	
Pressurization		30	Psig
Connectors	Input	WR187	
	Output	N female	
Dimensions		155*89*85	mm
Weight		1500	grams

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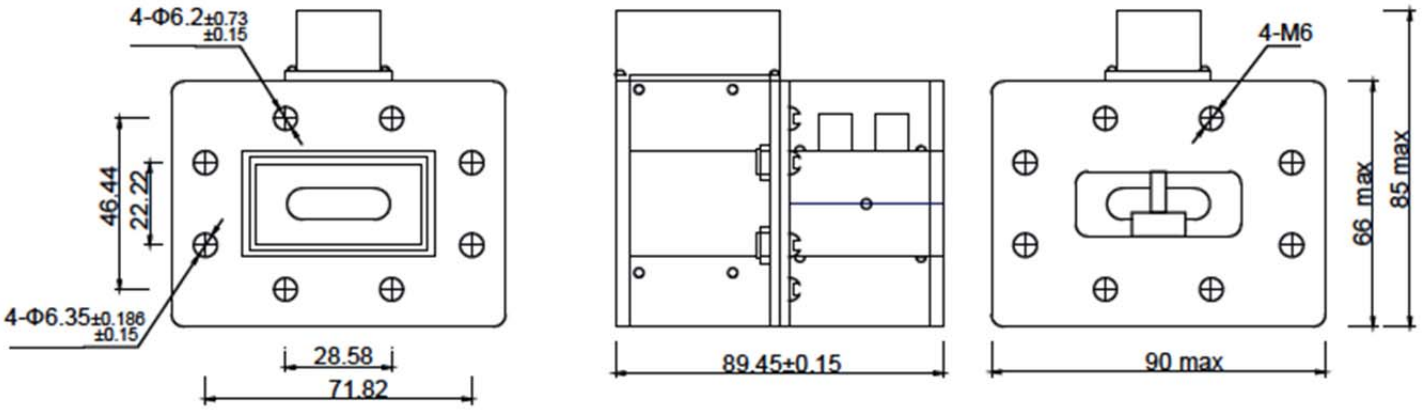
Not to scale

OUTLINE DRAWING(mm):



Limiter Waveguide

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