

Ka-Band Coaxial Isolators/Circulators

ATM manufactures a selection of Coax Isolators/Circulators specific for the Ka-Band Satcom application from 18.3 - 31.0 GHz. For more information feel free to call us and discuss your needs with one of our design engineers.

See Also:
[W/G Isolators/Circulators](#)

- Operating Temp -30°C to 85°C
- ATM Standard Parts come with SMA or 2.92mm (K-Type) Female Connectors In and Out
- For Male In and Female Out use M/F after model number
 Example: ATc-18.3-21.0-**M/F**
- For Female In and Male Out use F/M after model number
 Example: ATc18.3-21.0-**F/M**



Ka-Band Satcom Models

Downlink 18.3-20.2GHz, Uplink 27.5-31.0GHz, Full 18.3-31.0GHz

Freq. (GHz)	ISO (dB)		IL (dB)		VSWR		Power (Watts)*		Model No.		Outline Drawing
	Typ	Min	Typ	Max	Typ	Max	Avg.	Peak	Circulator	Isolator	
18.3 - 21.0	20	20	0.50	0.50	1.25	1.25	2	30	ATc18.3-21	ATi18.3-21	Fig 5
18.3 - 31.0	12	10	1.70	2.00	1.80	2.00	2	30	ATc18.3-31Ka	ATi18.3-31Ka	Fig 5
27.5 - 31.0	20	20	0.50	0.50	1.25	1.25	2	30	ATc27.5-31Ka	ATi27.5-31Ka	Fig 5**

* Power specs are for Isolators. Circulators can handle up to 10x's the average power.

** 2.9mm(f) connectors used