

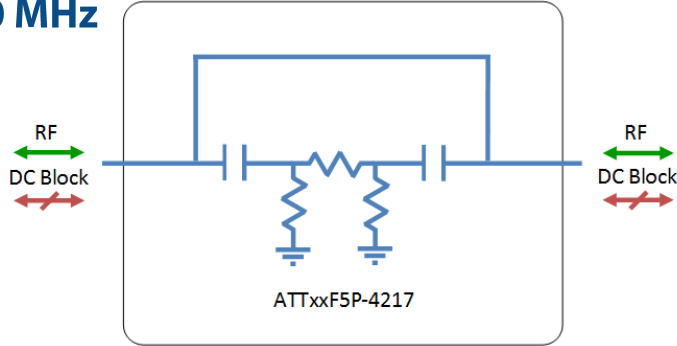


RF Components

IF-Band Attenuator

10 - 200 MHz

Model Number:
ATTxxF5P-4217



Tubular attenuators with DC block available in:

- 3 dB
- 6 dB
- 10 dB
- 20 dB

Available with RF connector options:

- 50 Ω SMA
- 50 Ω N-type
- 50 Ω BNC
- 75 Ω BNC
- 75 Ω F-type.



10 - 200 MHz
Operating frequency range



Compact
Housed in rugged compact enclosure



Attenuator

RF Parameters						
ATT03F5P-4217-XXXX	S5S5	N5N5	B5B5	B7B7	F7F7	
Frequency Range	10 - 200 MHz					
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type	
Attenuation (dB)	Typ	3 ± 0.25	3 ± 0.25	3 ± 0.30	3 ± 0.50	3 ± 0.50
Flatness ± (dB)		± 0.5	± 0.5	± 0.6	± 0.7	± 1.0
Input Return Loss (dB)	Typ	18	18	16	12	12
	Min	14	14	12	8	8
Output Return Loss (dB)	Typ	18	18	16	12	12
	Min	14	14	12	8	8

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport



RF Parameters						
ATT06F5P-4217-XXXX	S5S5	N5N5	B5B5	B7B7	F7F7	
Frequency Range	10 - 200 MHz					
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type	
Attenuation (dB) Typ.	6 ± 0.25	6 ± 0.25	6 ± 0.30	6 ± 0.50	6 ± 0.50	
Flatness ± (dB)	± 0.6	± 0.6	± 0.7	± 0.8	± 1.0	
Input Return Loss (dB)	Typ.	17	17	16	12	12
	Min	13	13	12	8	8
Output Return Loss (dB)	Typ.	17	17	16	11	11
	Min	13	13	12	8	8

RF Parameters						
ATT10F5P-4217-XXXX	S5S5	N5N5	B5B5	B7B7	F7F7	
Frequency Range	10 - 200 MHz					
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type	
Attenuation (dB) Typ.	10 ± 0.25	10 ± 0.25	10 ± 0.30	10 ± 0.50	10 ± 0.50	
Flatness ± (dB)	± 0.6	± 0.6	± 0.7	± 0.8	± 1.0	
Input Return Loss (dB)	Typ.	16	16	15	10	10
	Min	12	12	11	8	8
Output Return Loss (dB)	Typ.	16	16	15	10	10
	Min	12	12	11	8	8

RF Parameters						
ATT20F5P-4217-XXXX	S5S5	N5N5	B5B5	B7B7	F7F7	
Frequency Range	10 - 200 MHz					
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type	
Attenuation (dB) Typ.	20 ± 0.25	20 ± 0.25	20 ± 0.30	20 ± 0.50	20 ± 0.50	
Flatness ± (dB)	± 0.6	± 0.6	± 0.7	± 0.8	± 1.0	
Input Return Loss (dB)	Typ.	15	15	14	10	10
	Min	11	11	10	8	8
Output Return Loss (dB)	Typ.	15	15	14	10	10
	Min	11	11	10	8	8

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport



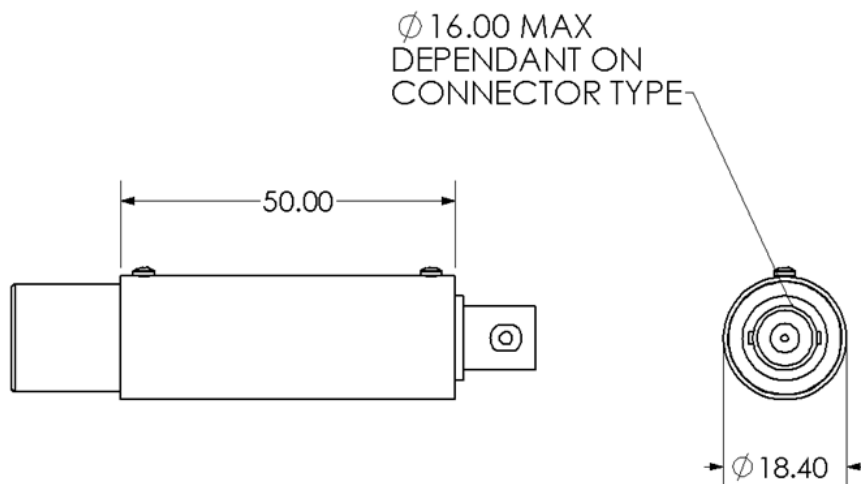
Technical specifications and operating parameters

Environmental		
Operating Temperature		0°C to +45°C
Storage Temperature		-20°C to +75°C
Location		Indoor use Only
Humidity	Max	85% non-condensing
Altitude	Max	10,000 feet

Max Operating Parameters	
Input RF Power	+21 dBm (125mW)
DC Voltage	35V on any RF port

! Operation beyond these limits may cause instantaneous and permanent damage.

Physical Dimensions (mm)



Note: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved specification accuracy.