



Model Number:
A-AGCB3-3503 to 3507

RF Components

AGC Amplifier

Frequency Range

50-2500 MHz
Operating frequency range.

9-24V
External DC powering

Compact
Housed in rugged compact enclosure

Flexible Mounting
Tapped screw & through hole

- 60dB dynamic range AGC (constant output level)
- Optional output levels 0dBm, -5dBm, -10dBm, -15dBm and -20dBm
- Factory pre-set to the required output levels
- Requires external DC supply within 9 to 24V

Available with RF connector options:

- 50 Ω SMA
- 50 Ω N-type
- 75 ohm impedance versions are also available as customised variants

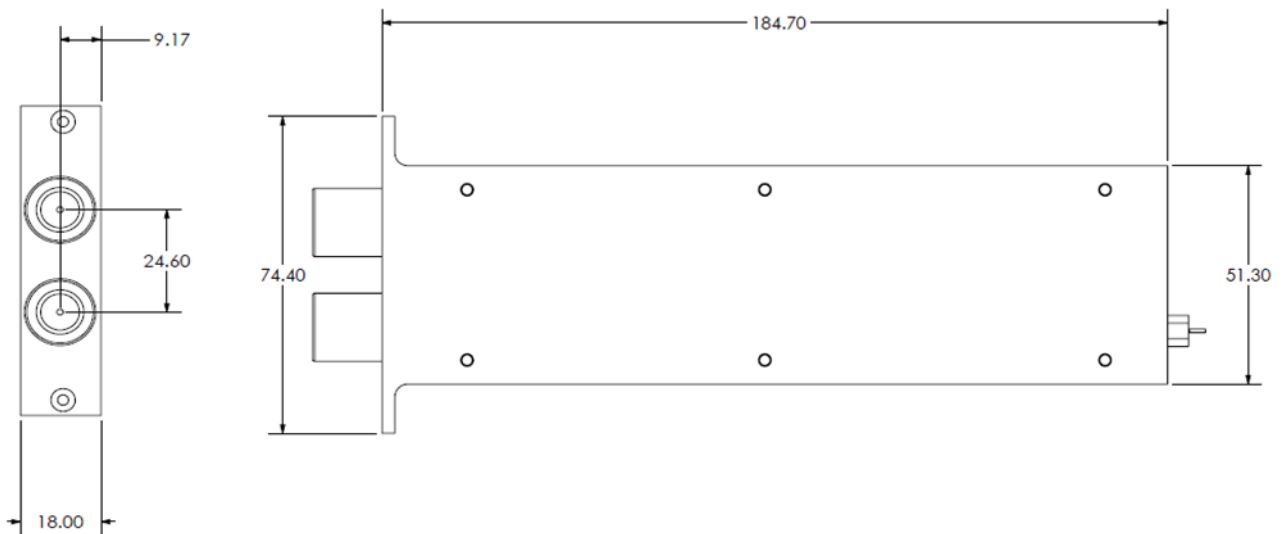


Environmental		
Operating Temperature		0°C to +45°C
Storage Temperature		-20°C to +75°C
Location		Indoor use Only
Humidity	Max	85% non-condensing
Altitude	Max	10,000 feet

Max Operating Parameters	
Input RF Power	+16 dBm (40mW)
DC Voltage	24V
DC Current	300mA Max , 200mA Nominal

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

Preliminary Physical dimensions



Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport



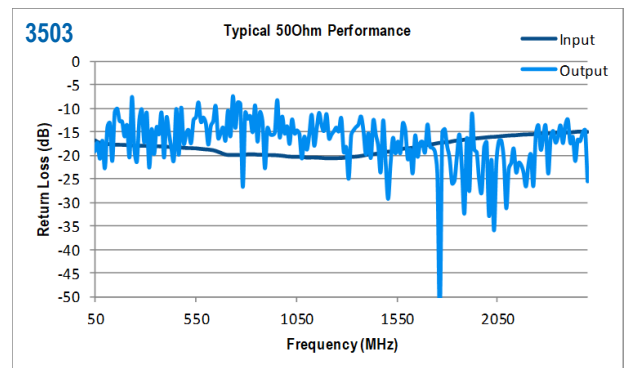
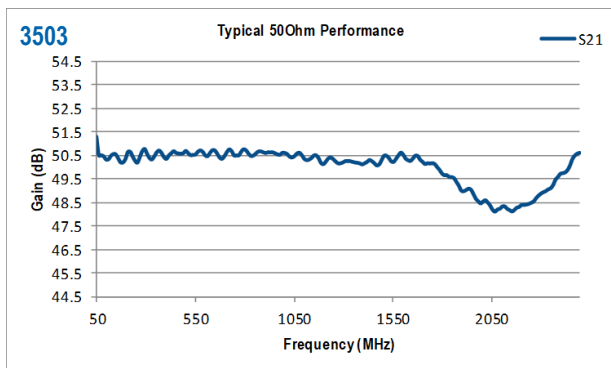


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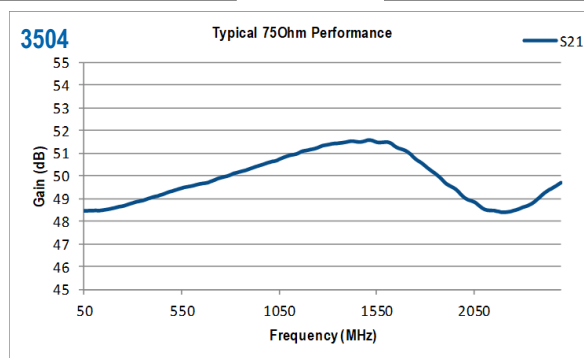
RF Components

RF Parameters			
A-AGCB3-3503-XXXX	S5S5	N5N5	F7F7
Frequency Range	50—2500 MHz		
RF Connectors	50Ω SMA	50Ω N-Type	75Ω F-Type
Output power level (dBm)	0±2	0±2	0±2
Input power level (dBm)	Min.	-50	-50
	Max.	+5	+5
Input Return Loss (dB)	Typ.	20	18
	Min.	15	14
Output Return Loss (dB)	Typ.	20	18
	Max.	12	12

RF Parameters			
A-AGCB3-3504-XXXX	S5S5	N5N5	F7F7
Frequency Range	50—2500 MHz		
RF Connectors	50Ω SMA	50Ω N-Type	75Ω F-Type
Output power level (dBm)	-5±2	-5±2	-5±2
Input power level (dBm)	Min.	-55	-55
	Max.	0	0
Input Return Loss (dB)	Typ.	20	18
	Min.	15	14
Output Return Loss (dB)	Typ.	20	18
	Max.	12	12



Gain (dB)



Gain (dB)

Return Loss (dB)

Broadcast



Marine Oil & Gas



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Satellite Teleport





Model Number: A-AGCB3-3503 to 3507

RF Parameters			
A-AGCB3-3505-XXXX	S5S5	N5N5	F7F7
Frequency Range	50—2500 MHz		
RF Connectors	50Ω SMA	50Ω N-Type	75Ω F-Type
Output power level (dBm)	-10±2	-10±2	-10±2
Input power level (dBm)	Min.	-60	-60
	Max.	0	0
Input Return Loss (dB)	Typ.	20	18
	Min.	15	14
Output Return Loss (dB)	Typ.	20	18
	Max.	12	12

RF Parameters			
A-AGCB3-3506-XXXX	S5S5	N5N5	F7F7
Frequency Range	50—2500 MHz		
RF Connectors	50Ω SMA	50Ω N-Type	75Ω F-Type
Output power level (dBm)	-15±2	-15±2	-15±2
Input power level (dBm)	Min.	-60	-60
	Max.	0	0
Input Return Loss (dB)	Typ.	20	18
	Min.	15	14
Output Return Loss (dB)	Typ.	20	18
	Max.	12	12

RF Parameters			
A-AGCB3-3507-XXXX	S5S5	N5N5	F7F7
Frequency Range	50—2500 MHz		
RF Connectors	50Ω SMA	50Ω N-Type	75Ω F-Type
Output power level (dBm)	-20±2	-20±2	-20±2
Input power level (dBm)	Min.	-60	-60
	Max.	0	0
Input Return Loss (dB)	Typ.	20	18
	Min.	15	14
Output Return Loss (dB)	Typ.	20	18
	Max.	12	12

Broadcast



Marine Oil & Gas



SNG & VSAT



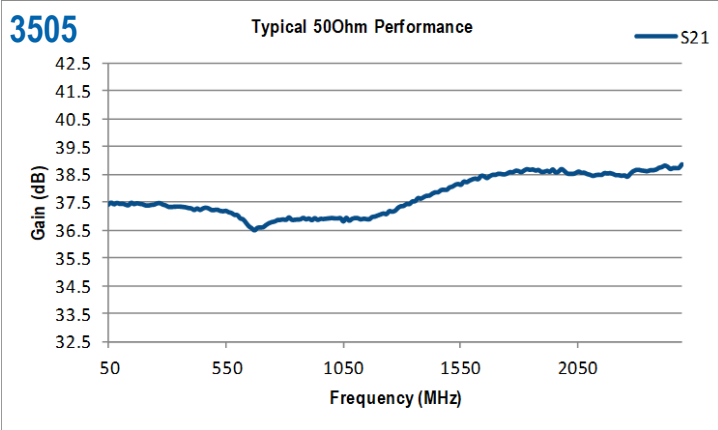
Satellite Teleport



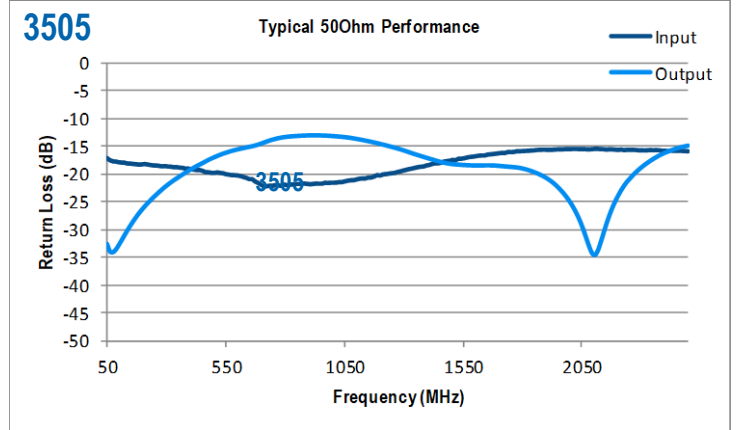


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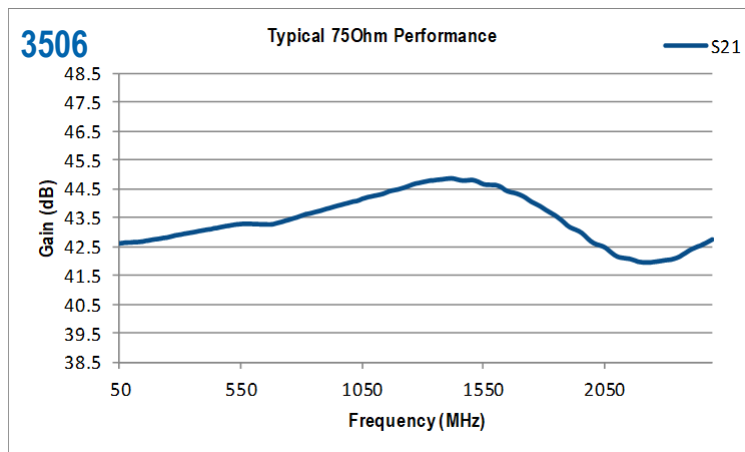
RF Components



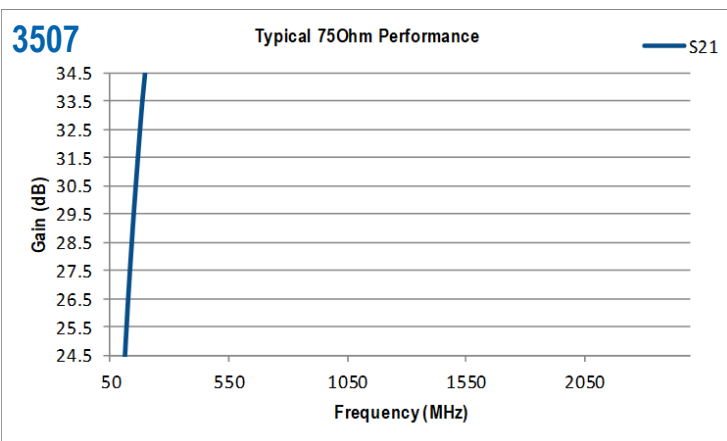
Gain (dB)



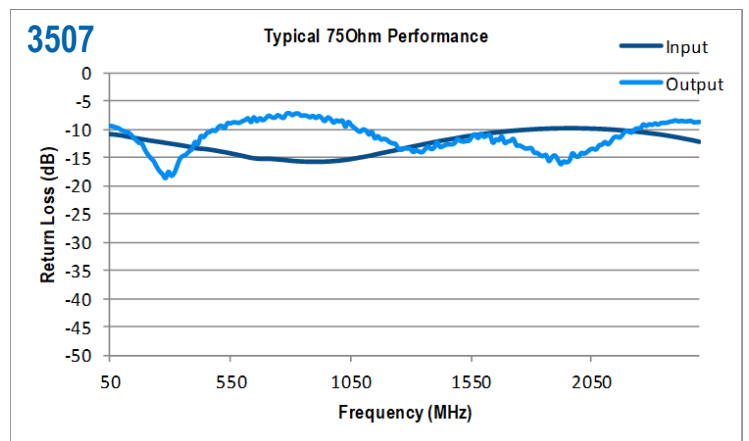
Return Loss (dB)



Gain (dB)



Gain (dB)



Return Loss (dB)

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.

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