

Product Description

The PI1843AG-21H is a small, low cost drop-in isolator designed for applications in high performance linear power amplifiers for wireless infrastructure base stations. These isolators feature a robust construction for high reliability with excellent IMD performance. These isolators are RoHS compliant, RFMD Green, and use aluminum nitride terminations. CCW rotation and special tab offsets available upon request. S-Parameters are also available upon request.



Features

- Typical Insertion Loss Less than 0.2dB
- -70dBc IMD Typical
- Isolation Greater than 25dB
- 30W Reverse Power Handling
- Industry Standard 1.0x1.0 Inch Drop-in Package

Applications

- Designed for Wireless Infrastructure Systems

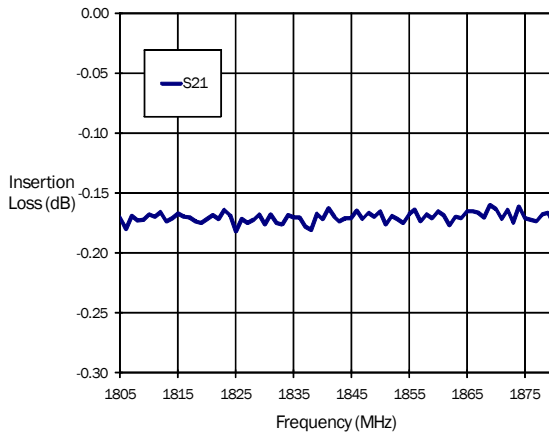
Parameter	Specification			Unit	Condition
	Min.	Typ.	Max.		
Frequency Range	1805		1880	MHz	
Insertion Loss		<0.20	0.30	dB	
Isolation	20	>25		dB	
Return Loss	20	>23		dB	
IMD		-70		dBc	2Tx37.5Watts

Note: Typical values represent Mid-band performance at 25°C

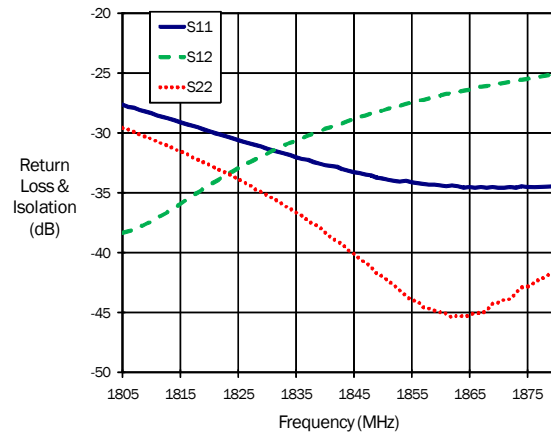
Absolute Maximum Ratings

Parameter	Rating	Unit
Forward Power	200	W
Reverse Power	30	W
Operating Temperature	-40 to +85	°C
Storage Temperature	-40 to +95	°C

Typical Insertion Loss



Typical Return Loss and Isolation



Pin	Function	Description
1	INPUT	
2	OUTPUT	

Package Drawing

Dimensions in millimeters (inches)

Refer to drawing posted at www.rfmd.com for tolerances.

