

2 Ways Power Splitter, 2 – 26.5 GHz, 50Ω
Description

XIPD2265 is a broadband two-way power splitter / combiner providing low loss and high isolation from 2 GHz to 26.5 GHz. With internal 50Ω matching and small enclosure.

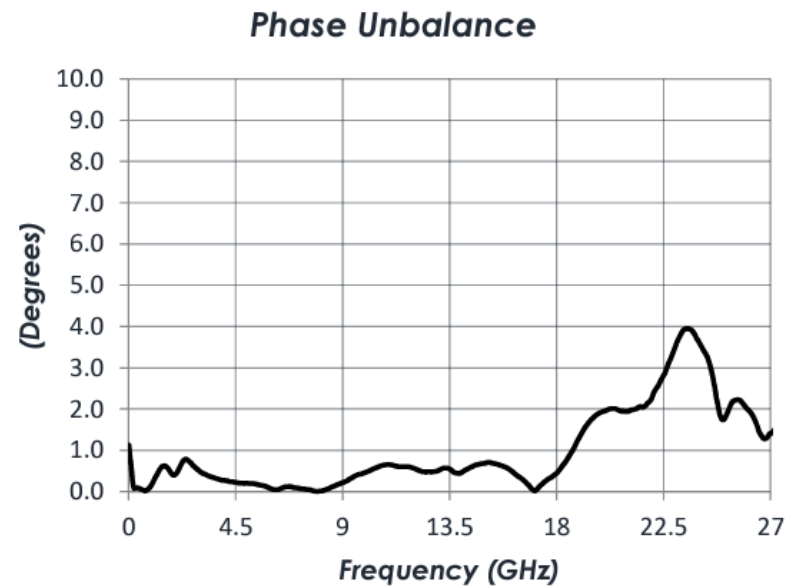
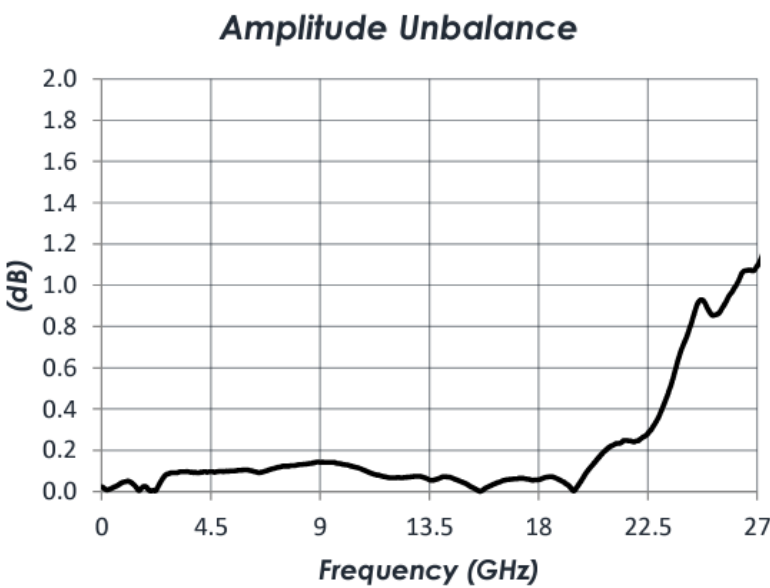
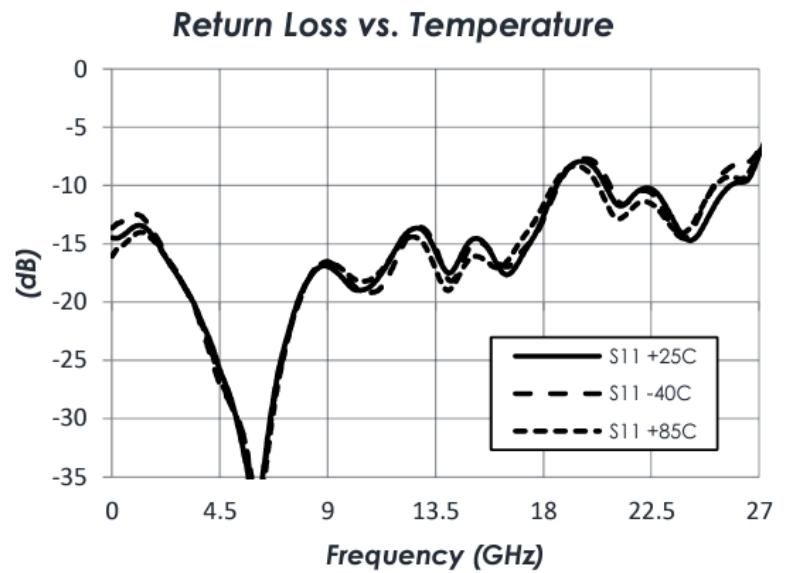
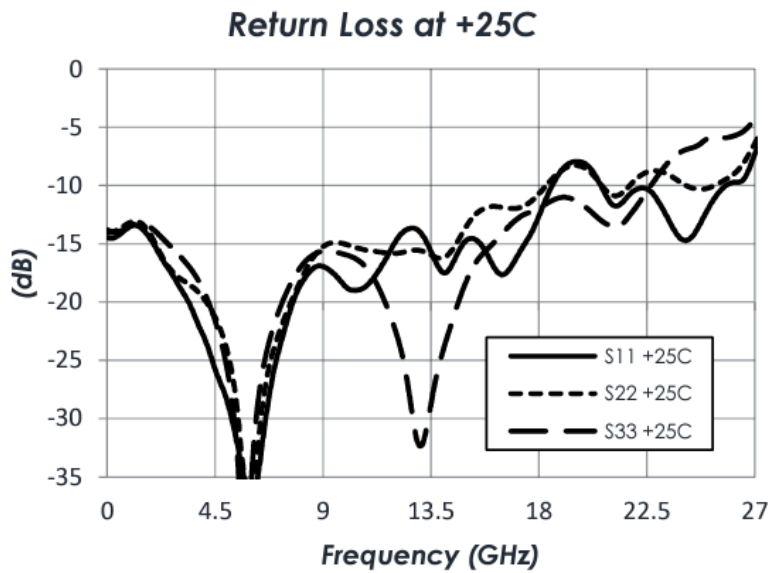
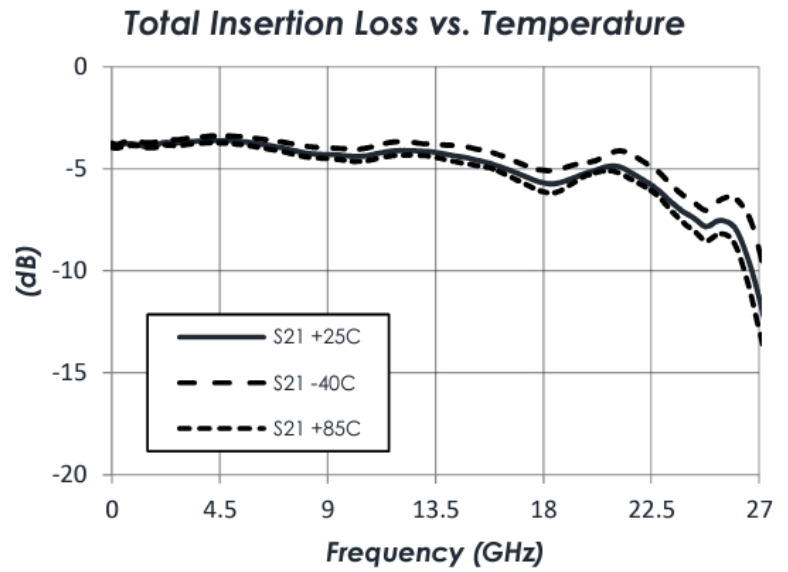
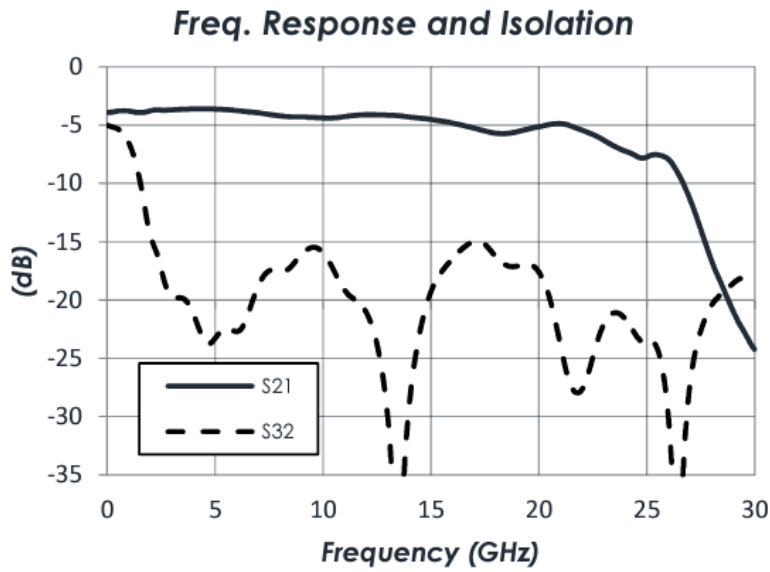
Features

- Broadband, 2 to 26.5 GHz
- 3 dB Insertion Loss
- 22 dB Isolation
- 15 dB Return Loss
- 0.1 dB Amplitude Unbalance, TYP
- 0.5 deg Phase Unbalance, TYP

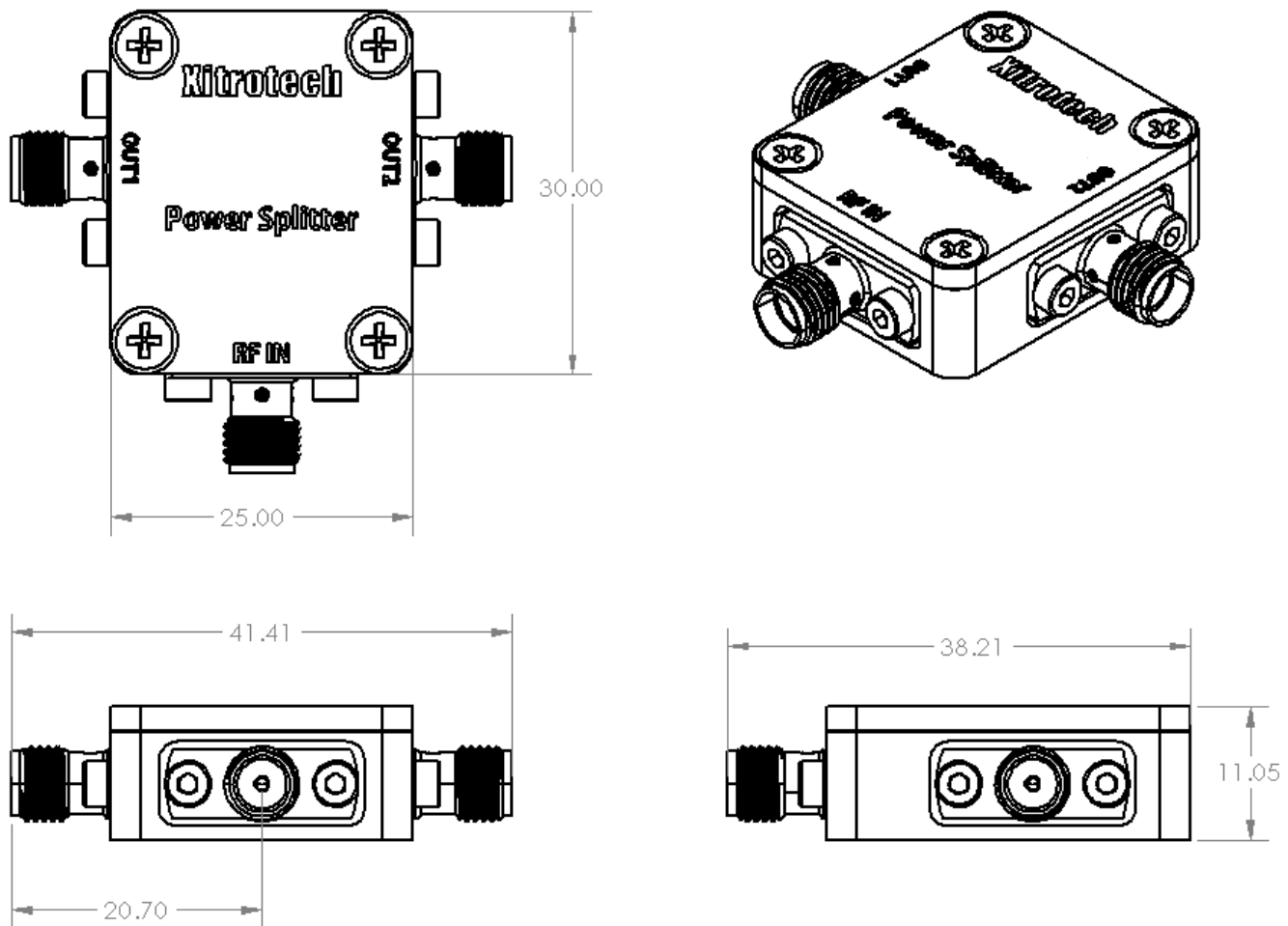

RF Performance - T = 25 °C

Parameter	Testing Conditions	Minimum	Typical	Maximum
Frequency Range		1.5 GHz		26.5 GHz
Additional Insertion Loss*	2.0 GHz to 5.0 GHz		0.65 dB	0.75 dB
	5.0 GHz to 10.0 GHz		1.05 dB	1.40 dB
	10.0 GHz to 18.0 GHz		1.55 dB	2.70 dB
	18.0 GHz to 26.5 GHz		3.25 dB	6.30 dB
Return Loss	2.0 GHz to 5.0 GHz		22 dB	
	5.0 GHz to 10.0 GHz		24 dB	
	10.0 GHz to 18.0 GHz		16 dB	
	18.0 GHz to 26.5 GHz		11 dB	
Isolation	2.0 GHz to 5.0 GHz	14 dB	20 dB	
	5.0 GHz to 10.0 GHz	16 dB	19 dB	
	10.0 GHz to 18.0 GHz	15 dB	21 dB	
	18.0 GHz to 26.5 GHz	16 dB	23 dB	
Phase Unbalance	2.0 GHz to 5.0 GHz		0.40 deg	0.80 deg
	5.0 GHz to 10.0 GHz		0.15 deg	0.50 deg
	10.0 GHz to 18.0 GHz		0.50 deg	0.70 deg
	18.0 GHz to 26.5 GHz		2.25 deg	3.95 deg
Amplitude Unbalance	2.0 GHz to 5.0 GHz		0.10 dB	0.10 dB
	5.0 GHz to 10.0 GHz		0.10 dB	0.15 dB
	10.0 GHz to 18.0 GHz		0.05 dB	0.15 dB
	18.0 GHz to 26.5 GHz		0.40 dB	1.05 dB

Typical Performance Curves



Outline Dimensions



Dimensions are in (mm). Tolerances: $\pm .015$ mm

Note:

1. Case material: Aluminum
2. Case finish : Anodized