

**2 Ways Power Splitter, DC - 18000 MHz, 50Ω**
**Description**

Xitrotech' XIPD0018 is a 2-way 0° splitter/combiner designed for wideband operation from DC to 18 GHz supporting many applications requiring high performance across a wide frequency range including all the LTE bands through WiMax and WiFi, as well as instrumentation and more. This model provides excellent power handling up to 0.6W (as a splitter/combiner) with good isolation, and low phase and amplitude unbalance in a small enclosure.

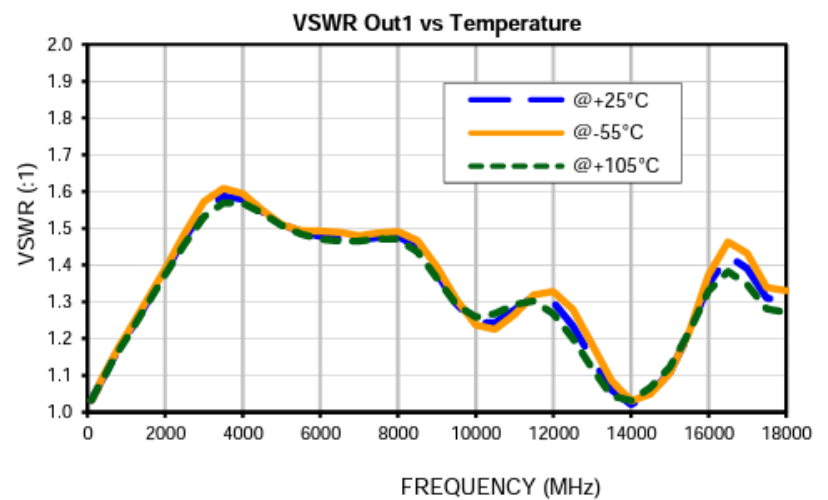
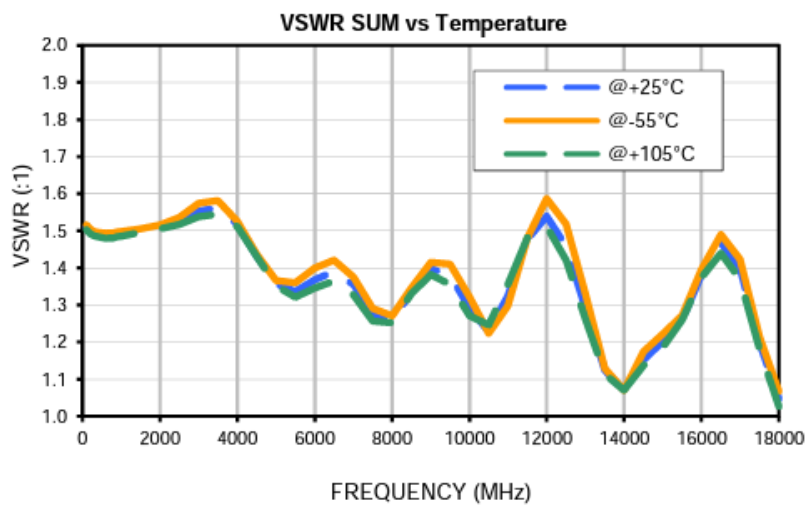
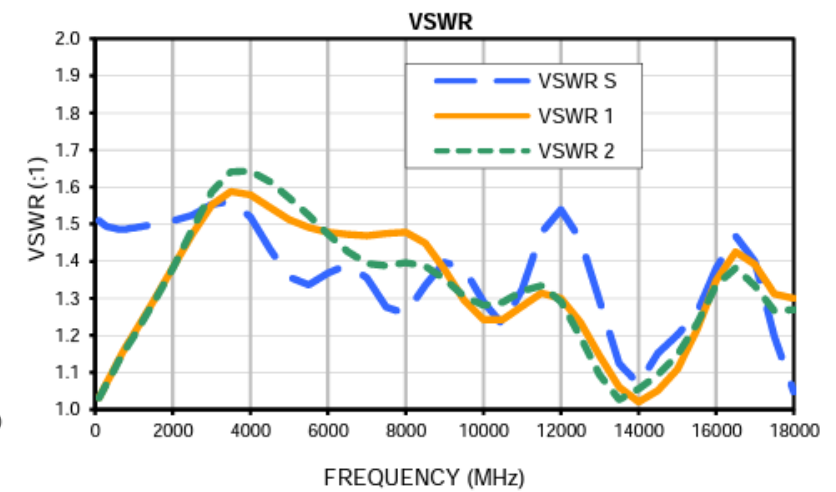
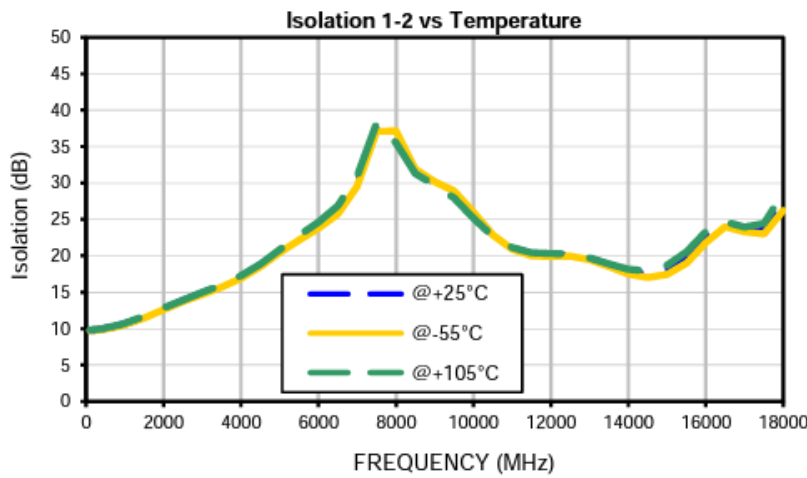
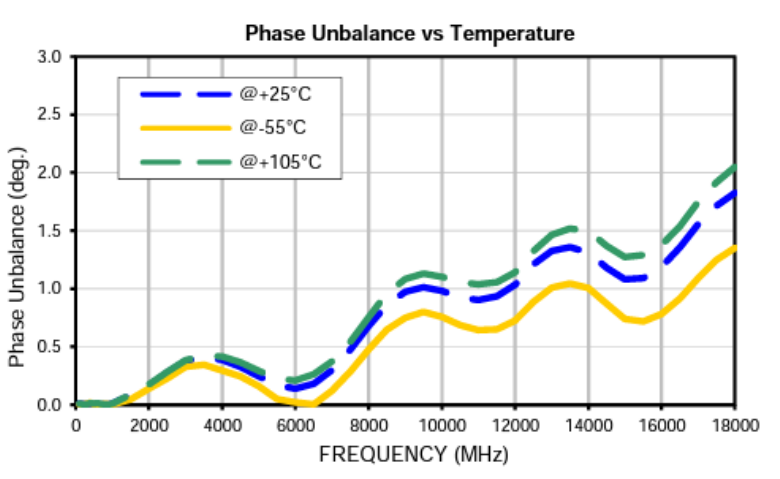
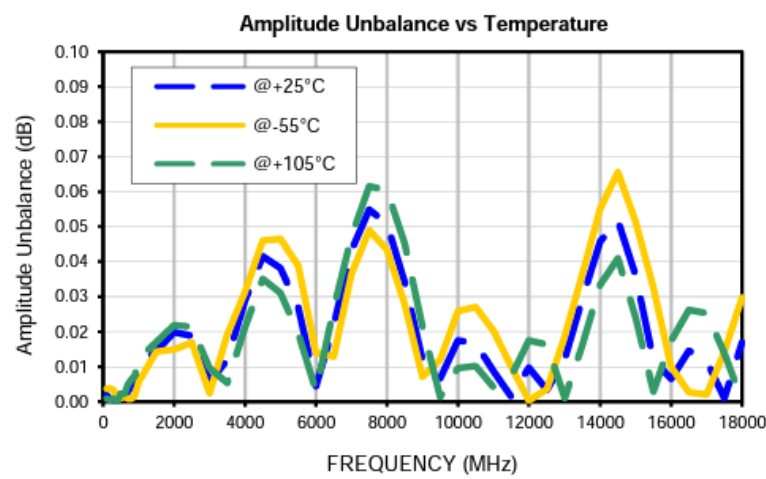
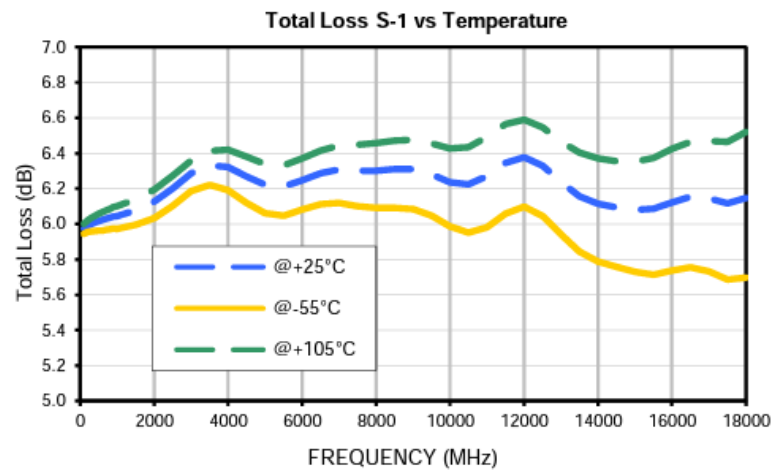
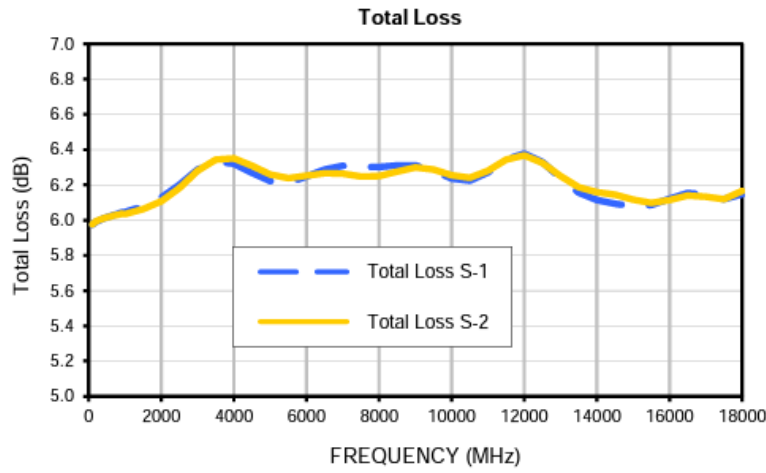
**Features**

- Ultra-Wide bandwidth, DC to 18 GHz
- High Isolation, 20 dB typ. at 12 GHz
- Excellent amplitude unbalance, 0.1 dB typ. to 18 GHz
- Good phase unbalance, 3.3 deg. typ. at 12 GHz


**ELECTRICAL SPECIFICATIONS<sup>1</sup> AT 25°C**

Parameter	Frequency (GHz)	Min.	Typ.	Max.	Unit
Frequency Range		DC		18	GHz
Insertion Loss <sup>2</sup> above 3.0 dB	DC - 4	—	3.2	3.9	dB
	4 - 18	—	3.3	3.9	
Isolation	DC - 4	8	13.1	—	dB
	4 - 18	14	26.1	—	
Phase Unbalance	DC - 4	—	0.3	4	Degree
	4 - 18	—	1.1	14	
Amplitude Unbalance	DC - 4	—	0.01	0.3	dB
	4 - 18	—	0.02	0.4	
VSWR (Port S)	DC - 4	—	1.5	—	:1
	4 - 18	—	1.3	—	
VSWR (Port 1-2)	DC - 4	—	1.4	—	:1
	4 - 18	—	1.4	—	
Power Handling	As a splitter	DC - 18	—	0.6	W
	As a combiner <sup>3</sup>	DC - 18	—	0.6	

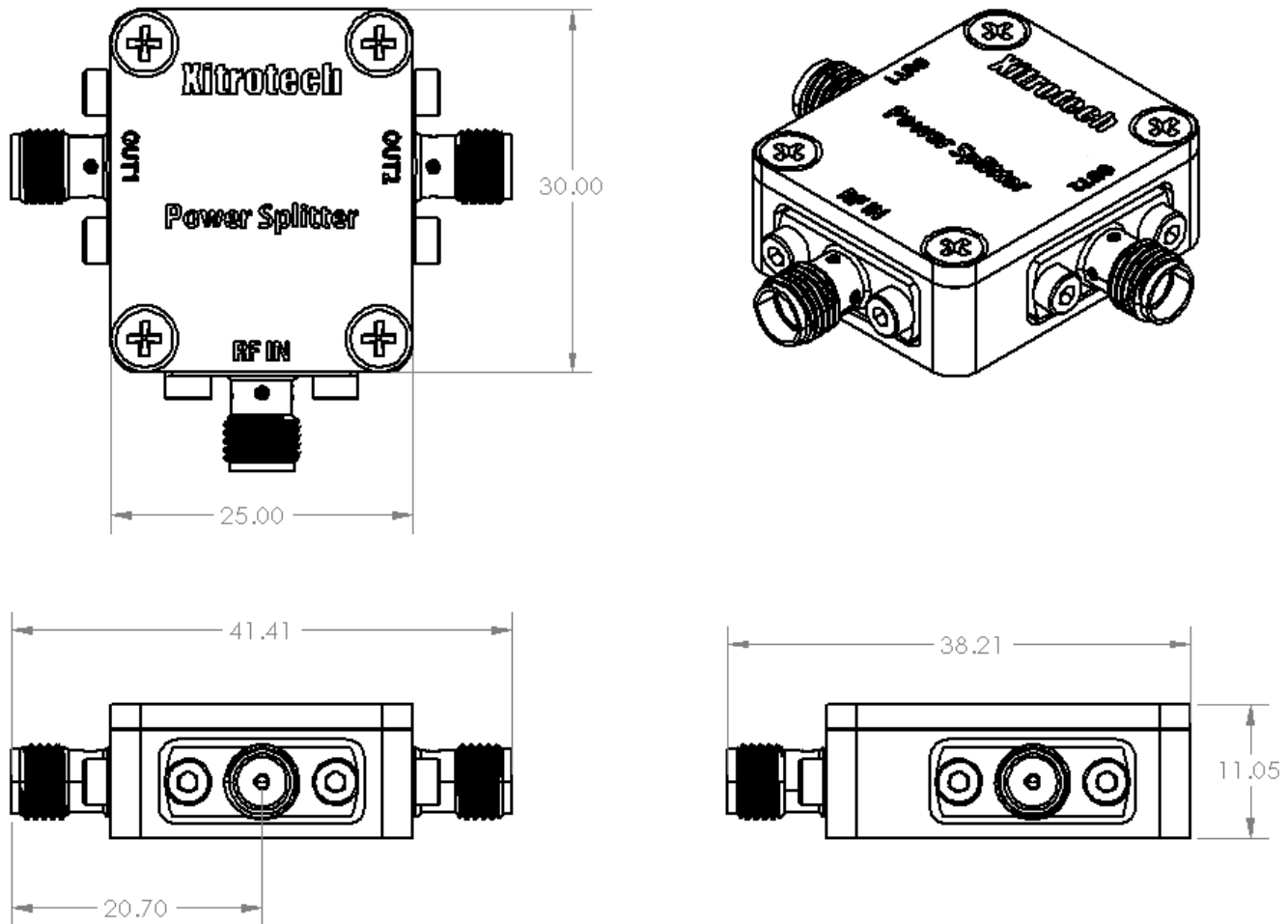
Typical Performance Curves



To obtain price, delivery, or to place an order contact [sales@xitrotech.com](mailto:sales@xitrotech.com)

[www.xitrotech.com](http://www.xitrotech.com)

**Outline Dimensions**



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

**Note:**

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