

SPLT-14

ANTENNAS | SPLT-14 SERIES

ECONOMIC AND EFFICIENT TWO-WAY SPLITTER

628 - 2710 MHz



628 – 968 MHz;
1710 – 2170 MHz;
2300 – 2710 MHz

VSWR

< 2:1



Increase
x Mb/s

4G
LTE

4G LTE



IoT

(M2M)

Machine-to-
Machine



-40°C to +70°C



Fire Resistant

- Broadband 2-way splitter from 628 – 2710 MHz
- Covers 2G/3G/LTE frequency bands
- Wilkinson splitter design utilised



APPLICATION AREAS

Product Overview

The SPLT-14 is a broadband 2-way splitter, which utilises a hierarchical Wilkinson splitter technology. This ensures low loss, while providing good phase and amplitude balance.

Features

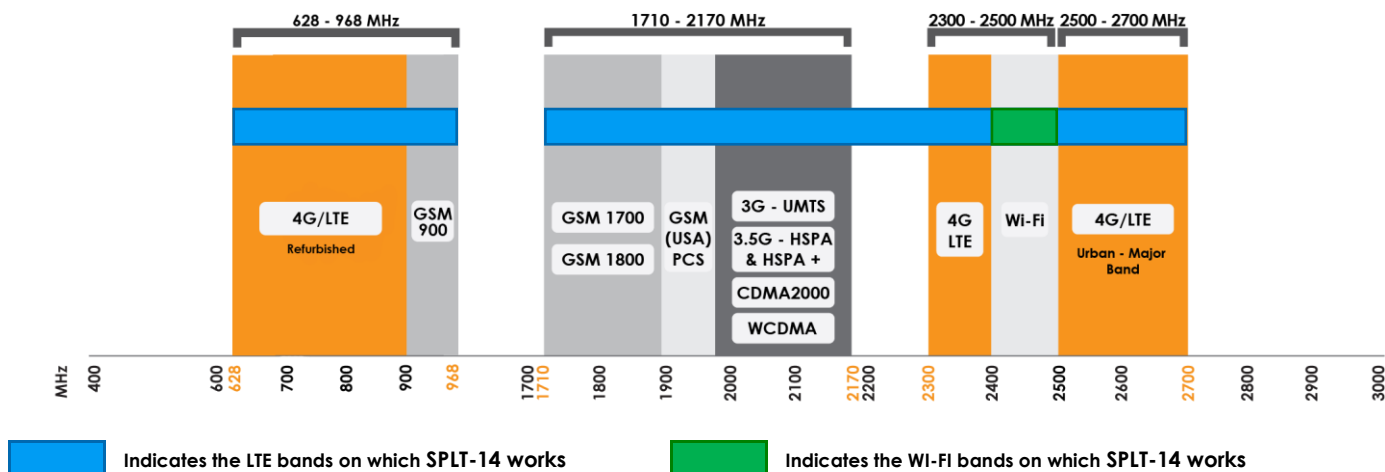
- Covers full 2G/3G/LTE frequency bands
- Low loss splitter
- Good phase and amplitude balance

Application Areas

- Least Cost Routers (LCRs)
- Splitting power from a single antenna to two independent devices

Frequency Bands

The SPLT-14 works from 628 – 968 MHz | 1710 – 2170 MHz | 2300 – 2710 MHz



Antenna Overview

Ports	3
Frequency Bands	628 – 968 MHz 1710 – 2170 MHz 2300 – 2710 MHz
Coax Cable Type	N/A
Coax Cable Length	N/A
Connector Type	SMA (F)

Electrical Specifications

Frequency bands:	628 – 968 MHz 1710 – 2170 MHz 2300 – 2710 MHz
VSWR:	<2:1
Isolation:	>20dB
Phase Imbalance:	<2
Amplitude Imbalance:	0.2dB
Insertion loss (excluding splitting loss):	<0.7dB
Insertion loss (including splitting loss):	<3.7dB

Product Box Contents

Antenna:	A-SPLT-0014
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Ordering Information

Commercial name:	SPLT-14
Order product code:	A-SPLT-0014
EAN number:	6009693810686

Mechanical Specifications

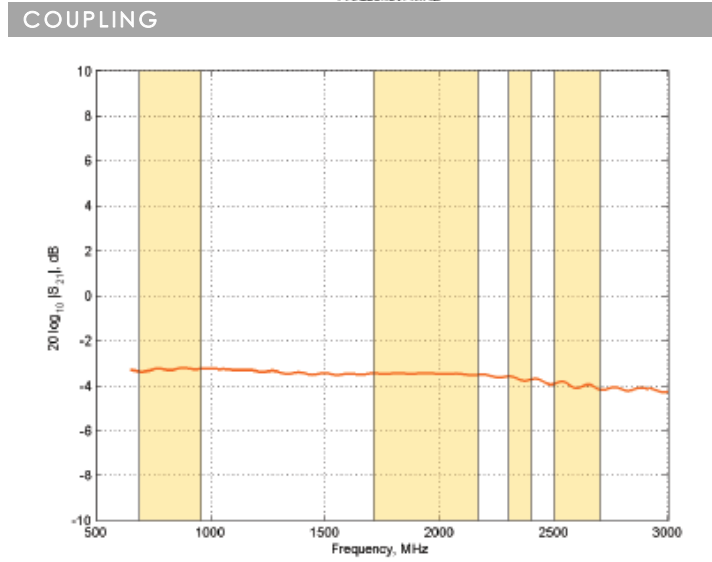
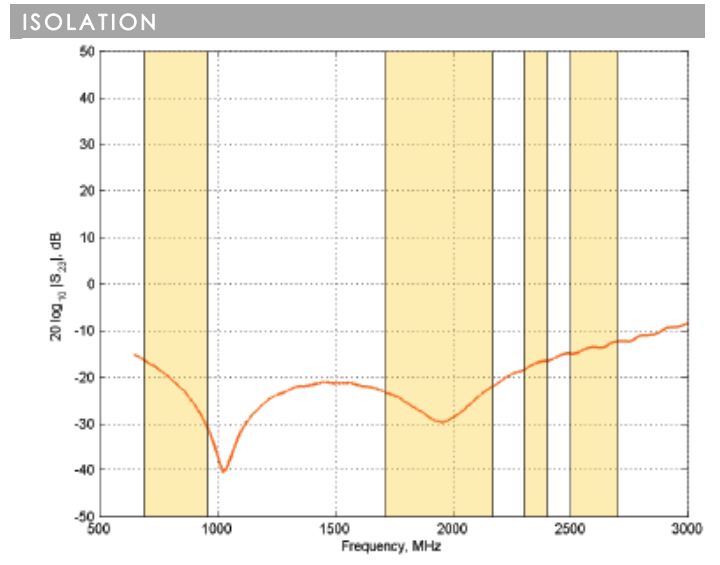
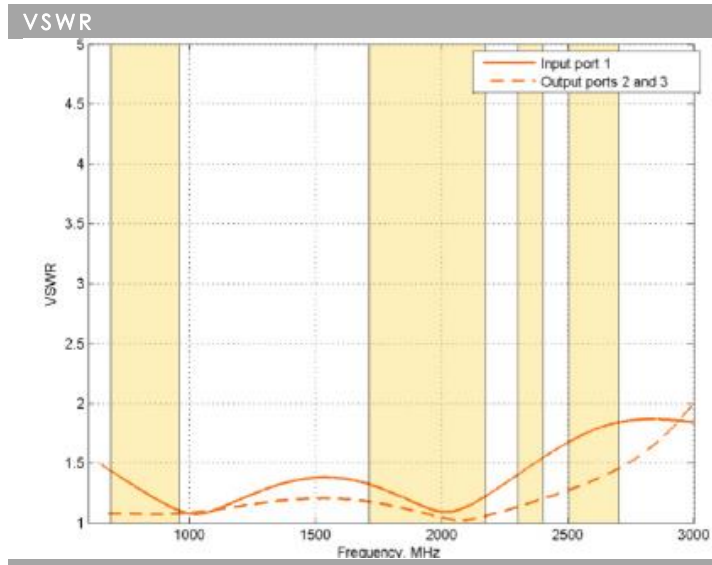
Product dimensions	90 mm x 90 mm x 15 mm
Packaged dimensions:	180 mm x 180 mm x 20 mm
Weight:	0.088kg
Packaged weight:	0.094kg
Radome material:	ABS
Radome colour:	Grey

Environmental Specifications, Certification & Approvals

Temperature Range (Operating):	-40°C to +70°C
Environmental Conditions:	Indoor
Salt Spray:	MIL-STD 810F/ASTM B117
Operating Relative Humidity:	Up to 98%
Storage Humidity:	5% to 95% - non-condensing
Storage Temperature:	-40°C to +70°C
Enclosure Flammability Rating:	UL 94-HB
Impact resistance:	IK 05
Product Safety & Environmental:	Complies with CE and RoHS standards



Splitter Performance Plots



Additional Accessories

See accessories technical specifications on www.poynting.tech

Contact Poynting

Poynting Antennas (Pty) Ltd - Head Office

Unit 4, N1 Industrial Park
Landmarks Avenue,
Samrand, 0157
South Africa

Phone: +27 (0) 12 657 0050

E-mail: sales@poynting.co.za

Poynting Europe

Regus Business Center Neue Messe Riem
Kronstadter Straße 4
81677 München
Germany

Phone: +49 89 208026538

E-mail: sales-europe@poynting.tech