

# Cellular 2-way Splitter

824 - 2170 MHz

Product code: SPLT-A0014



The broadband 2-way splitter utilises cascade hierarchical Wilkinson splitter technology to ensure low loss, while providing good phase and amplitude balance.

## Features:

- Full GSM frequencies
- Low loss splitter
- Good phase and amplitude balance

## Application areas:

- Least Cost Routers (LCRs)
- Splitting power from a single antenna to two independent devices
- This device provides communications capabilities for the following:

Standard		Frequency (MHz)
TACS	Europe and Asia only	871 - 949
TDMA/CDMA/AMPS		824 - 894
SM "GSM 900"		870- 960
PDC Japan only		810 - 956
EGSM		806 - 869
GSM 1800 / PCS/ PCN		1710 - 1880
DECT		1880 - 1900
PHS	Japan, Taiwan and China only	1895 - 1918
GSM "GSM1900"	USA and Canada only	1850 - 1990
UMTS		1900 - 2170

**Specifications:**

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**Electrical:**

Frequency 824 - 2170 MHz  
 VSWR < 1.5:1  
 Phase imbalance < 2°  
 Amplitude imbalance 0.2 dB  
 Isolation > 20 dB  
 Insertion loss (excluding splitting loss) < 0.7 dB  
 Insertion loss (including splitting loss) < 3.7 dB  
 Connector SMA(f)

**Mechanical:**

Dimensions (l x w x h) 90 mm x 90 mm x 15mm  
 Weight 88 g

**Typical Splitter Measurements**

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