

# RADITEK INC.

## R2SC-1-500M-PS06-1W-S

code-p4

### SURFACE MOUNT 2-WAY SPLITTER

#### Features

- Frequency Range 1 – 500 MHz
- Low Cost
- Industry Standard SMT package
- Available in Tape-and -Reel
- 50 Ohms Characteristic Impedance

#### Description

The R2SC-B105 is a 0° In-phase two way power splitter designed for applications that require small, low cost and highly reliable surface mount components. Applications may be found in broadband, wireless and other communications systems. S-Parameters are available on request.



#### Specifications

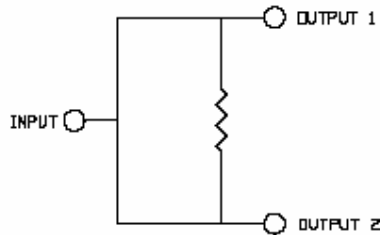
Parameter	Minimum	Typical	Maximum
Frequency Range (MHz)	1		500
Insertion Loss (dB)		0.4	1.0
Isolation (dB)	20	35	
Return Loss (dB)		20	14
Amplitude Balance (dB)		0.1	0.3
Phase Balance (Degrees)		1.0	4.0

#### Absolute Maximum Ratings

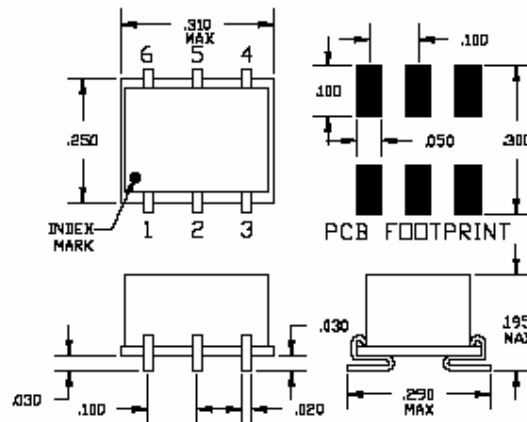
Parameter	Maximum
RF Power	+33 dBm
Operating Temperature	-55 to +100 °C
Storage Temperature	-55 to +100 °C
Re-flow Temperature	+ 240 °C

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

#### Schematic



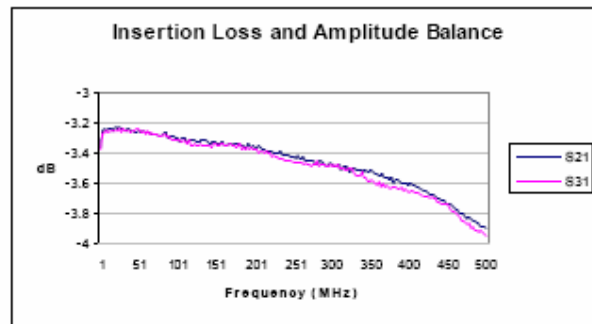
#### Package – S06



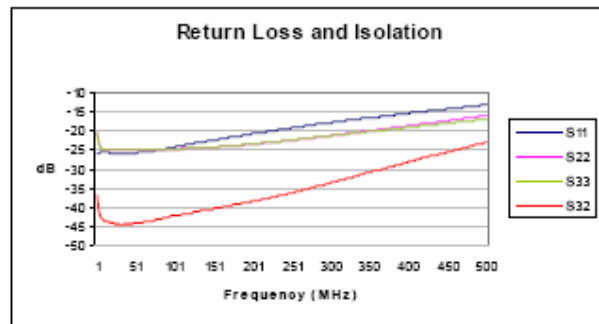
#### Pin Functions

Function	Pin
INPUT	1
OUTPUT 1	3
OUTPUT 2	4
GROUND	2,5,6

Typical Test Data – Insertion Loss and Amplitude Balance



Typical Test Data – Return Loss and Output Isolation



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Specifications may be subject to change

03/30/07

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