

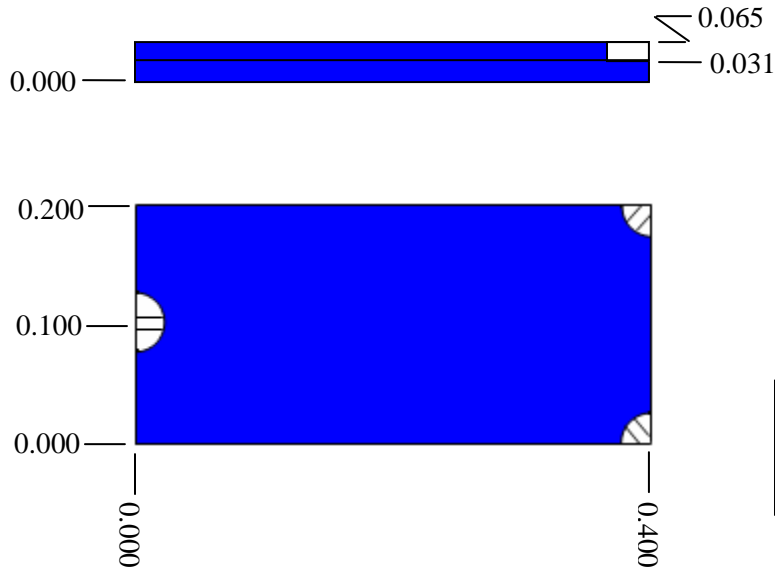
RADITEK INC.

Splitter Combiner, 2 Port, Drop-In R2SC-5.0-18.0-G-1 or 10W-di

code-L

5 to 18GHz, 25% Bandwidth, Package-G, 1 or 10 Watts

Lot sizes in Qty's of 180



(Blue area in Drawing): Top and Bottom of the unit other than pads is ground. Unit must be grounded, normally by soldering or Conductive epoxy.

Case top & bottom, is tin plated
Pads Plated with solder (96.5% Sn, 3.0% Ag, 0.5% CU)

Sizes will be larger for frequencies below 5GHz
All dimensions preliminary and will be confirmed at time of order.

Tolerance +/-0.005"

The R2SC-5.0-18.0-G-1 or 10W-di, defines one of the unique RADITEK drop-in, 2 way, 0° power splitter/combiner.

Order as: R2SC-F1-F2-G-1 or 10W-di-25%Bw

Where F1=lower freq. in GHz, F2=high freq. in GHz,

Custom parts can be quoted up to 18 GHz with 25% bandwidth, and the unit can be combined with other embedded functions, such as additional monitoring points from couplers on some or all ports.

Specifications			Units
Frequency	5.0-18.0	9-11	GHz
Bandwidth	25%	25%	
Insertion loss		0.5	dB (Theoretical) + device
5-8GHz	(3.0) + 0.4		
8-12GHz	(3.0) + 0.55		
12-18GHz	(3.0) + 0.95		
Output port isolation	18	18	
Input VSWR	1.3	1.25	:1
12-18GHz	1.4		
Output VSWR	1.2	1.25	:1
12-18GHz	1.4		
Amplitude Balance	<± 0.4	0.1	dB max.
Phase balance	<± 3°	1-2°	Max.
Power handling	1 or 10	1 or 10	Watts
Operating temperature	-30 to +80*	-30 to +80*	°C

R2SC-5-18-G-1 or 10W-di-25%Bw -L **Specifications may be subject to change**

05/17/07

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