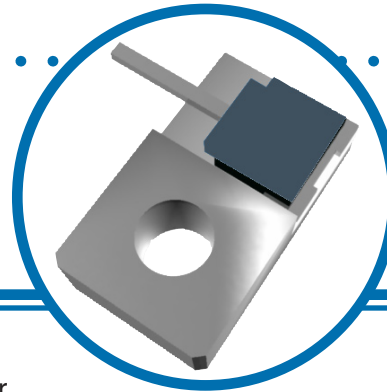


# High Power, High Frequency Terminators

## PCS-R Series

- Single sided flange style
- Up to 12.5W power dissipation
- High frequency operation to 2.1GHz



The PCS-R series high power thin film terminator is designed for termination of RF signals as a surface mount coupler load or other RF applications. Typical applications include high power RF amplifiers, and wireless base stations. Higher power dissipation is achieved by attaching a wrap-around flange directly to the heat sink. The thin film construction provides consistent operational stability over temperature and time.

## Electrical Data

<b>Impedance</b>	50Ω
<b>VSWR</b>	1.1 Max
<b>Frequency Range</b>	DC to 2.1GHz
<b>Power Rating @70°C</b>	1W (Max 12.5W)
<b>TCR</b>	±50ppm/°C
<b>Max Heat Sink Temperature (@ Max Rated Power)</b>	80°C
<b>Operating Temperature Range</b>	-55° to +80°C
<b>Terminations</b>	Matte Tin Finish 100% Sn

## Environmental Data

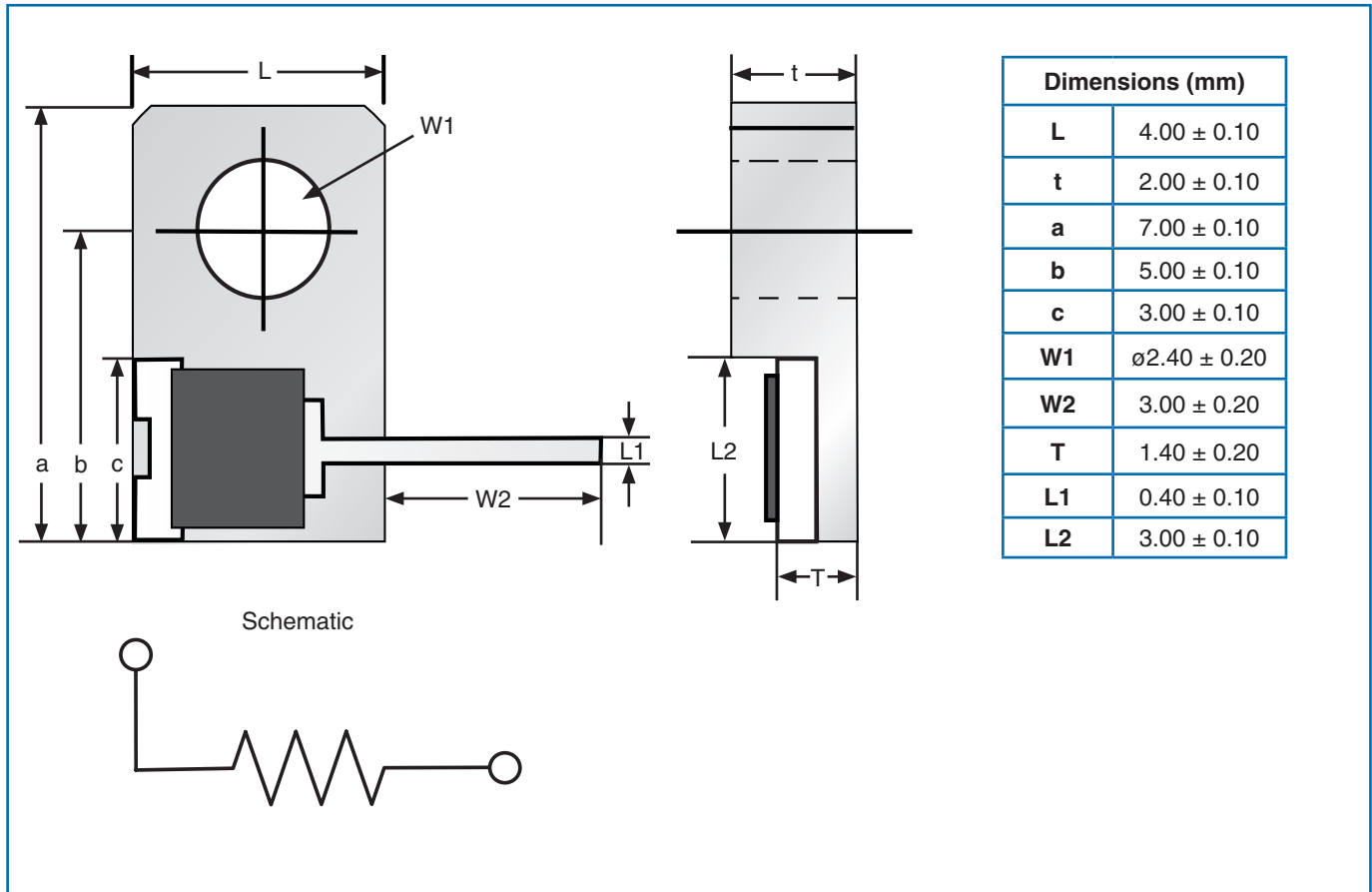
Test	Test Condition	Maximum
<b>Short Time Overload</b>	Rated Voltage x 2.5, 5 sec.	±0.5% +0.05Ω
<b>Load Life</b>	1000 Hours 40°C, Rated Voltage	±1.0% +0.05Ω
<b>Solderability</b>	235°C, 3 sec.	More than 95%
<b>Moisture Resistance</b>	1000 Hours, 40°C 95% RH	±1.0% +0.05Ω
<b>Temperature Cycle</b>	5 Cycles 70°C High, -10°C Low	±0.5% +0.05Ω
<b>Resistance to Soldering Heat</b>	250°C, 10 sec.	±0.5% +0.05Ω
<b>Insulation Resistance</b>	DC 500V, 1 min.	>1,000MΩ

### General Note

IRC reserves the right to make changes in product specification without notice or liability. All information is subject to IRC's own data and is considered accurate at time of going to print.

# High Power, High Frequency Terminators

## Physical Data



## Ordering Data

Prefix ..... **HFR** - **PCS3040RLF** - **50R0**

Model .....  
 PCS3040RLF = Split ground thin film terminator with  
 100 % Sn terminations

Impedance .....  
 50R0 = 50Ω