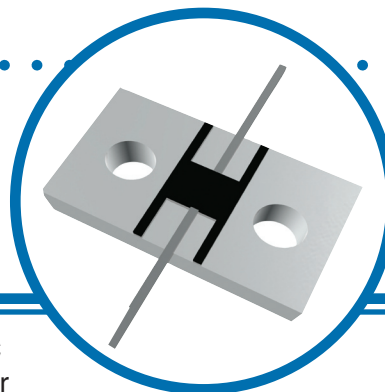


# High Power Flanged Attenuators

## PAT-P Series

- Power dissipation up to 10W
- High frequency operation up to 10GHz
- Flanged package for heat sink mounting



The PAT-P series power attenuator has a very low VSWR from DC to 10GHz. High frequency performance combined with high power dissipation make this an ideal RF power attenuator. Typical applications are power meters and amplifiers where a reduction in power is needed while maintaining transmission line characteristic impedances.

## Electrical Data

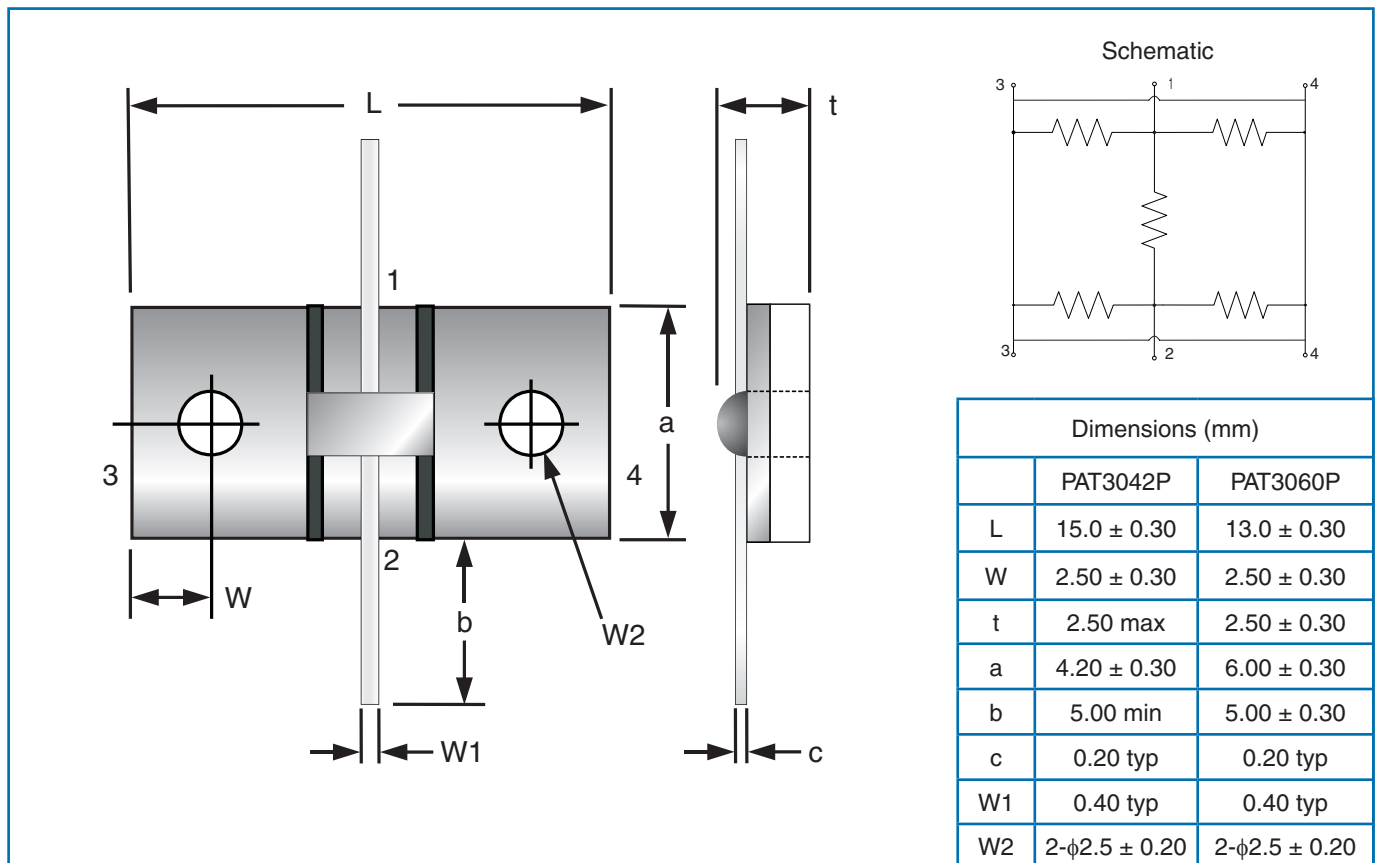
<b>Impedance</b>	50Ω	
<b>Frequency Range</b>	DC - 10GHz	
<b>Operating Temperature Range</b>	-55°C to +125°C	
<b>Thermal Impedance</b>	5°C/W	
<b>Attenuation (dB)</b>	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 16, 20	
<b>Attenuation Tolerance</b>	DC to 2GHz	±0.2 dB
	2GHz to 5GHz	±0.3 dB
	5GHz to 10GHz	±0.5 dB
<b>VSWR</b>	DC to 2GHz	1.1
	2GHz to 5GHz	1.2
	5GHz to 10GHz	1.3
<b>Power Rating @70°C</b>	PAT3042P	1W (Max. 5W Heatsinked)
	PAT3060P	1.5W (Max. 10W Heatsinked)
<b>Terminations</b>	100% Sn	

### General Note

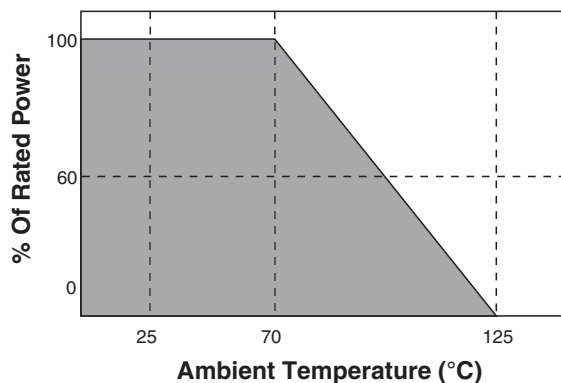
IRC reserves the right to make changes in product specification without notice or liability. All information is subject to IRC's own data and is considered accurate at time of going to print.

# High Power Flanged Attenuators

## Physical Data



## Power Derating Curve



## Ordering Data

Prefix ..... **HFR** - **PAT3042P** - **50R0** - **03** - **B**

**Model** .....  
 PAT3042PLF = Surface Mount Attenuator with 100% Sn Terminations  
 PAT3060PLF = Surface Mount Attenuator with 100% Sn Terminations

**Impedance** .....  
 50R0 = 50Ω

**Attenuation** .....  
 00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 16, 20dB

**Attenuation Tolerance** .....