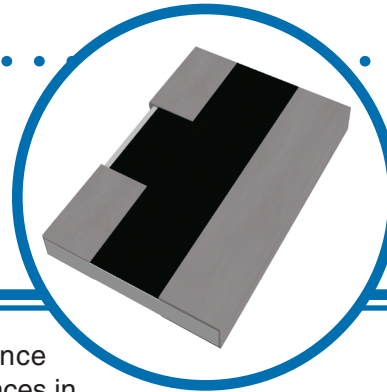


High Frequency Surface Mount Attenuators

PCH1632 Series

- RoHS compliant
- Operation frequency up to 1.5GHz
- Ideal impedance conversion solution
- Low cost surface mount construction



The PCH1632 series impedance converter provides impedance conversion between the two most common characteristic impedances in use, 50Ω and 75Ω. The PCH1632 series provides impedance conversion across a frequency bandwidth of DC to 1.5 GHz with an insertion loss of 6dB. Typical applications include telecommunication and networking equipment as well as applications. Thin film construction provides consistent operational stability over temperature and time.

Electrical Data

Impedance	50Ω /75Ω
Insertion Loss	6 ± 0.3dB
Frequency Range	DC to 1.5GHz
Power Rating @70°C	125mW
Operating Temperature Range	-55°C to +125°C
Terminations	100% Sn

Environmental Data

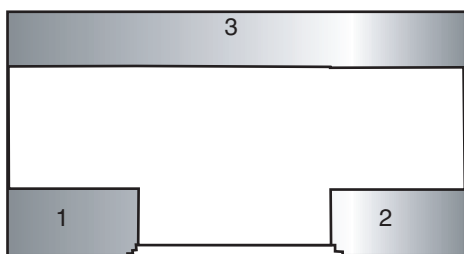
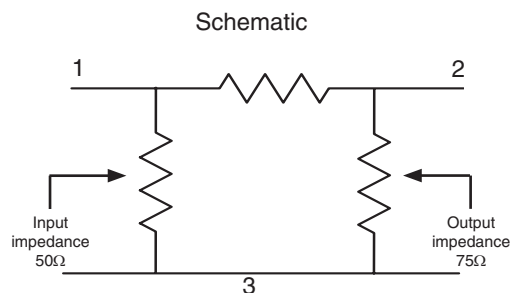
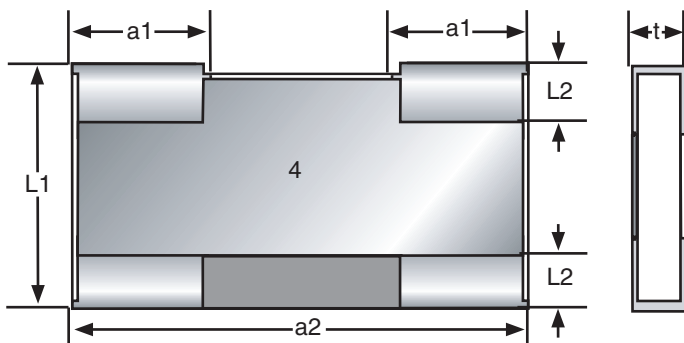
Test	Test Condition	Maximum
Short Time Overload	2.5 x Rated Voltage, 5 sec.	±0.05dB
Load Life	1000 Hours 70°C	±0.1dB
Moisture Resistance	1000 Hours, 60°C 95% RH	±0.1dB
Temperature Cycle	5 Cycles 125°C High, -55°C Low	±0.05dB
Resistance to Soldering Heat	260°C, 10 sec.	±0.05dB
Solderability	235°C, 3 sec	More than 95%

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 Frequency Surface Mount Attenuators

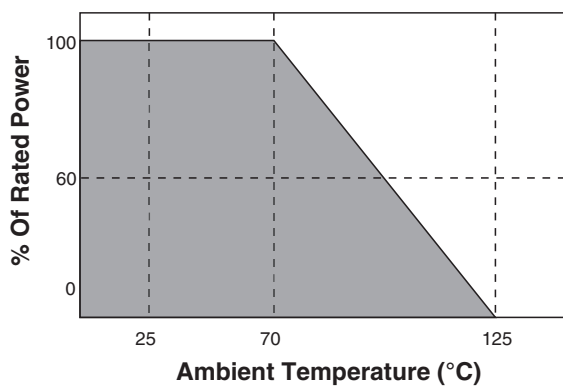
Physical Data



Dimensions (mm)	
L1	1.6 ± 0.2
L2	0.4 ± 0.2
a1	1.0 ± 0.2
a2	3.2 ± 0.2
t	0.5 ± 0.2

1, 2: Input and output terminals 3: Electrode (surface soldering and lead-free possible) 4: Covering resin

Power Derating Curve



Ordering Data

Prefix **HFR** - **PCH1632LF** - **50/75**

Model
PCH1632LF = Converter with 100% Sn terminations

Impedance
50/75 = 50 to 75Ω converter