

Lead





Power Splitter

■PS Series

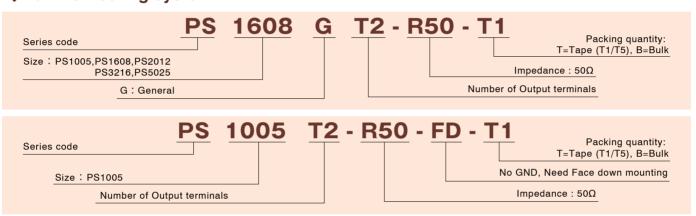
Features

- · Resistive type power splitter. Wide frequency range : DC to 20Ghz.
- · Wide band provides less distortion of square pulses of digital signals
- · Small and easy to mount
- · Special design and thin film produce less reflection.

Applications

- · Communication devices
- · Wide band measuring instrumentation

◆Part numbering system

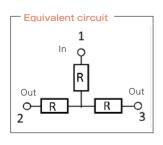


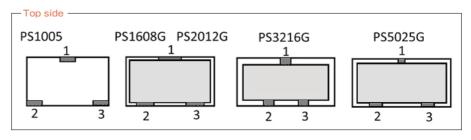
◆Electrical Specification

Туре		PS1005 *1	PS1608G	PS2012G	PS3216G	PS5025G			
Operating frequency		DC - 20GHz	DC - 20GHz	DC - 17.5GHz	DC - 15GHz	DC - 10GHz			
Rated power		100mW	100mW	125mW	250mW	500mW			
Insersion Loss	6dB±0.5dB		< 10)GHz	< 7.5GHz				
Insersion Loss	6dB±1.0dB	< 20	GHz	<17.5GHz	<15GHz	<10GHz			
Distribution Deviation		< 0.3dB (Max freuency)							
VSWR	≦1.3		< 7.5GHz						
VOWN	≦1.5	< 20GHz		<17.5GHz	<15GHz	<10GHz			
Operating temperature		-40°C ~ +125°C							
Packaging quantity		50pcs/bag(B)							
		1,000pcs/reel(T1)							
		5,000pcs/reel(T5)							

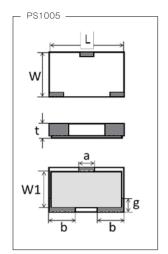
*1 The PS1005 series has no ground plane.

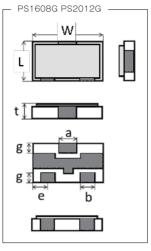
Equivalent Circuit and pin arrangement

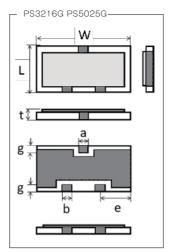




♦ Dimensions





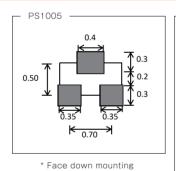


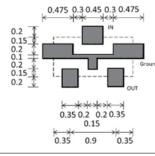
Туре	Size (inch)	W	L	t	а	b		g
PS1005	0402	1.00±0.10	0.50±0.10	0.30±0.10	0.40±0.10	0.35±0.10	-	0.20±0.10
PS1608G	0603	1.60±0.10	0.80±0.10	0.40±0.10	0.45±0.10	0.35±0.10	0.40±0.10	0.25±0.10
PS2012G	0805	2.00±0.10	1.25±0.10	0.40±0.10	0.45±0.15	0.35±0.15	0.35±0.10	0.25±0.10
PS3216G	1206	3.20±0.10	1.60±0.10	0.40±0.10	0.35±0.10	0.40±0.15	1.075±0.10	0.20±0.10
PS5025G	2010	5.00±0.20	2.50±0.20	0.80±0.20	0.50±0.20	0.75±0.20	1.65±0.20	0.30±0.15

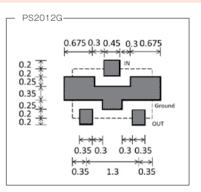
(unit:mm)

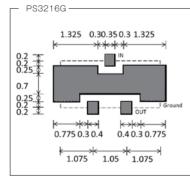
♦ Recommended land patterns (soldering footprints)

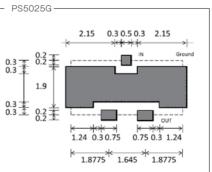
PS1608G-











♦ Derating Curve

