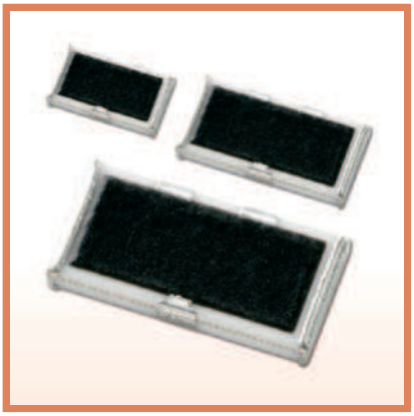


Power Splitters

■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.

Lead free　Halogen free　RoHS Compliance

Applications

- Communication devices
- Wide band measuring instrumentation

◆Part numbering system

PS 1608 G T2 - R50 - T1

- PS — Series code
- 1608 — Size : PS1608,PS2012 PS3216,PS5025
- G — G : General
- T2 — Number of Output terminals
- R50 — Impedance : 50Ω
- T1 — Packing quantity: T=Tape(T1) B=Bulk

PS 1005 T2 - R50 - FD - T1

- PS — Series code
- 1005 — Size : PS1005
- T2 — Number of Output terminals
- R50 — Impedance : 50Ω
- FD — No GND, Need Face down mounting
- T1 — Packing quantity: T=Tape (T1/T5), B=Bulk

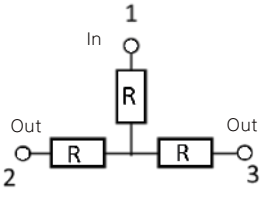
◆Electrical Specification

Type		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	< 10GHz				< 7.5GHz
	6dB±1.0dB	< 20GHz		<17.5GHz	<15GHz	<10GHz
Distribution Deviation		< 0.3dB (Max freuency)				
VSWR	≦1.3	< 10GHz				< 7.5GHz
	≦1.5	< 20GHz		<17.5GHz	<15GHz	<10GHz
Operating temperature		-40℃ ~ +125℃				
Packaging quantity		50pcs/bag(B) 1,000pcs/reel(T1) 5,000pcs/reel(T5)	50pcs/bag(B) 1,000pcs/reel(T1)	1,000pcs/reel(T1)		

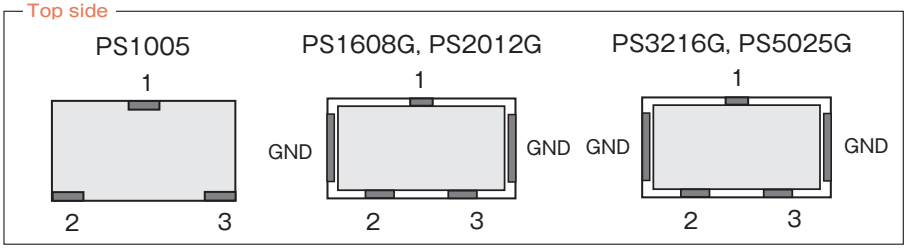
※1　The PS1005 series has no ground plane.

◆Equivalent Circuit and pin arrangement

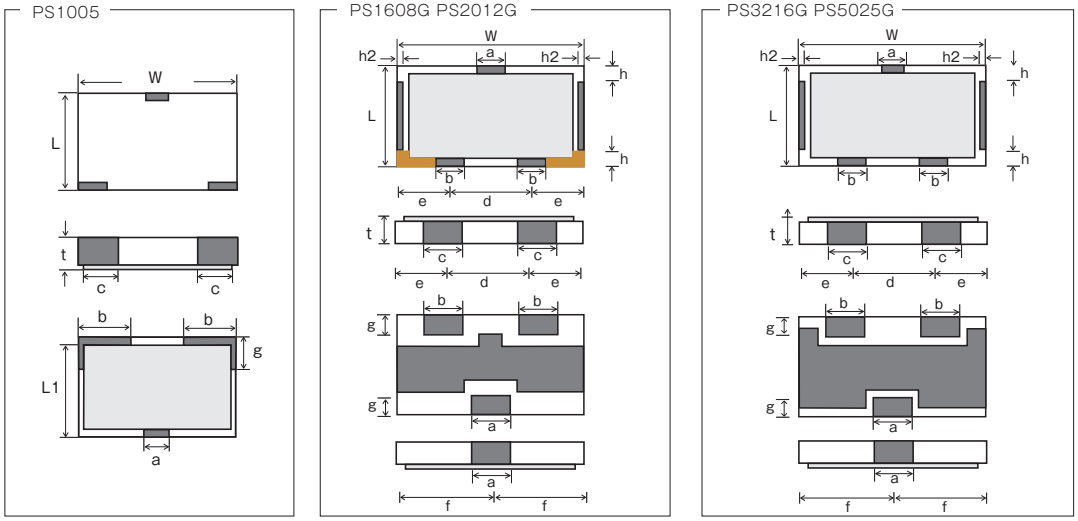
Equivalent circuit



Top side



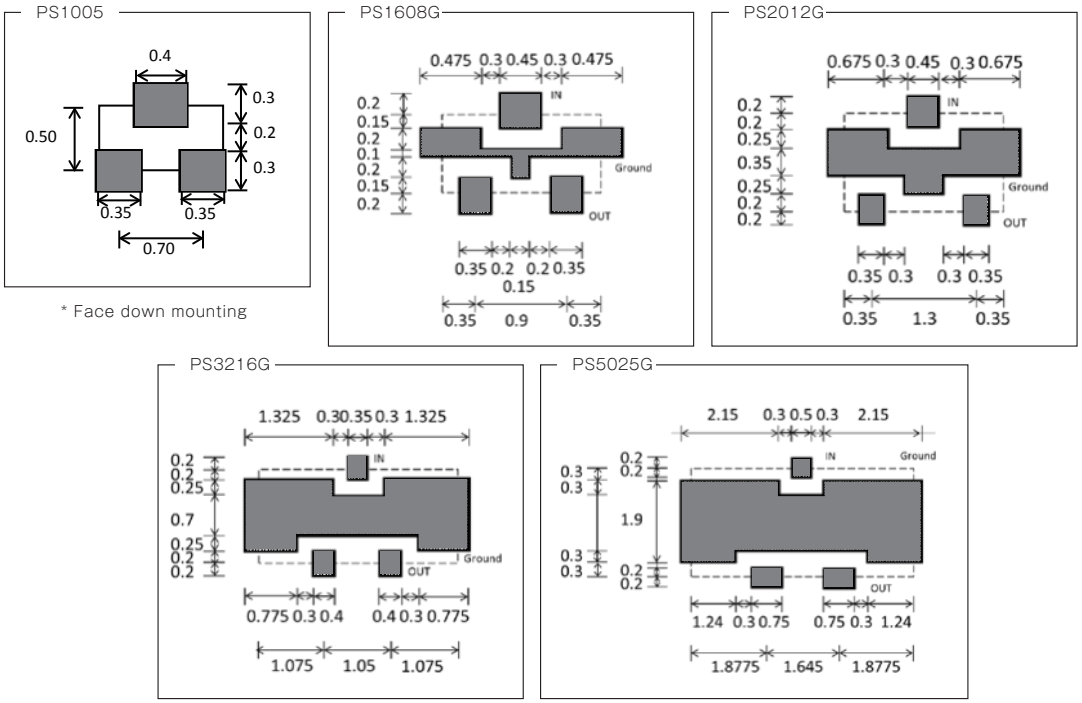
◆Dimensions



Type	Size (inch)	W	L	L1	t	a	b	c	d	e	f	g	h	h2
PS1005	0402	1.00±0.10	0.50±0.10	0.40±0.10	0.30±0.10	0.40±0.10	0.35±0.10	0.30±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	0.35±0.10	0.80±0.10	0.40±0.10	0.80±0.10	0.25±0.15	0.10+0/-0.05	(0.15)
PS2012G	0805	2.00±0.10	1.25±0.10	—	0.40±0.10	0.45±0.15	0.35±0.15	0.35±0.15	1.30±0.20	0.35±0.10	1.00±0.10	0.25±0.15	0.10±0.05	(0.15)
PS3216G	1206	3.20±0.10	1.60±0.10	—	0.40±0.10	0.35±0.10	0.40±0.15	0.45±0.15	1.05±0.20	1.075±0.10	1.60±0.20	0.25±0.15	0.20±0.05	(0.15)
PS5025G	2010	5.00±0.10	2.50±0.10	—	0.80±0.20	0.50±0.20	0.75±0.20	0.85±0.20	1.70±0.40	1.65±0.20	2.50±0.20	0.30±0.15	0.25±0.15	(0.15)

(unit : mm)

◆Recommended land patterns (soldering footprints)



◆Derating Curve

