

## High Precision Power Splitter **PS Series**



Power splitter with excellent high frequency characteristics for applications from DC~20GHz Bit error is restrained by keeping high frequency digital signal stable Offer standard type with ground and custom type designed to customer' specification.

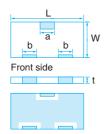






### **SPECIFICATIONS**





Back side No ground for custom type

Dimension (mm)	PS1608(G)	PS2012(G)	PS3216(G)	PS5025(G)
L	1.6±0.2	2.0±0.2	3.2±0.2	5.0±0.2
W	0.8±0.2	1.25±0.2	1.6±0.2	2.5±0.2
а	0.4±0.1	0.4±0.1	0.3±0.1	0.35±0.1
b	0.3±0.1	0.3±0.1	$0.35 \pm 0.1$	0.65±0.1
t	0.4±0.1	0.4±0.1	0.4±0.1	0.8±0.15

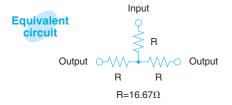
### **Electrical**

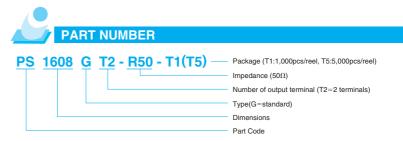
#### Standard type

Otanida i je					
Туре	PS1608G	PS2012G	PS3216G	PS5025G	
Operating frequency	DC~20GHz	DC~17.5GHz	DC~15GHz	DC~10GHz	
Insertion loss	6±0.5dB(DC~10GHz)	6±0.5dB(DC~10GHz)	6±0.5dB(DC~10GHz)	6±0.5dB(DC~7.5GHz)	
	6±1.0dB(10GHz~20GHz)	6±1.0dB(10GHz~17.5GHz)	$6\pm1.0$ dB(10GHz $\sim$ 15GHz)	6±1.0dB(7.5GHz~10GHz)	
Insertion loss	max.0.3dB				
Insertion loss	1.3(DC~10GHz)	1.3(DC~10GHz)	1.3(DC~10GHz)	1.3(DC~7.5GHz)	
	1.5(10GHz~20GHz)	1.5(10GHz~17.5GHz)	1.5(10GHz~15GHz)	1.5(7.5GHz~10GHz)	
Input power	100mW	125mW	250mW	500mW	
Max overload power	200mW	250mW	500mW	1000mW	
Operating temperature	−40~125°C				
Package	1,000 · 5,000pcs/reel				

<sup>\*</sup>Standard type with ground on back side can gain stable performance regardless of circuit characteristics

Simplified pattern can be realized as ground is not required on the surface of circuit







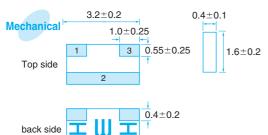
# Positive Emitter Coupled Logic(PECL) **Chip Terminators**



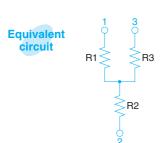
Suitable for output applications in emitter coupled logic for high-speed signal transmission. Minimized reflection permits high-speed data processing.



### **SPECIFICATIONS**



(dimension:mm)



### **Electrical**

Туре	RN1632F			
Resistance ( $\Omega$ )	R1=50, R2=46.4, R3=50 ; typical			
Tolerance %(code)	±1.0%(F)			
TCR ppm /°C(code)	±50ppm/°C			
Power Rating	42mW/element; 125mW/package			
Rated Operating Temperature	−55°C~+125°C			
Package	5,000pcs/reel			

RoHS compliant



#### **PART NUMBER**





<sup>\*</sup>Custom type without ground on back side can be designed according to specific circuit
Please ask as for chip custom type with demension of 1.0\*0.5mm