

Excellent Integrated System Limited

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Susumu PS1608GT2-R50-T5

For any questions, you can email us directly: sales@integrated-circuit.com



Distributor of Susumu: Excellent Integrated System Limited

Datasheet of PS1608GT2-R50-T5 - POWER DIVIDER 6DB .1W 0603 SMD

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High Precision Power Splitter PS Series



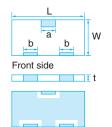
Power splitter with excellent high frequency characteristics for applications from DC~20GHz Bit error is restrained by keeping high frequency digital signal stable Offer standard type with ground and custom type designed to customer' specification.

RoHS compliant

Completely lead free

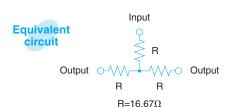
SPECIFICATIONS





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±0.1	0.65±0.1
t	0.4±0.1	0.4±0.1	0.4±0.1	0.8±0.15

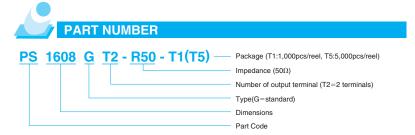


Electrical

Standard type

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 ± 1.0 dB(10GHz \sim 20GHz)	6 ± 1.0 dB(10GHz \sim 17.5GHz)	6 ± 1.0 dB(10GHz \sim 15GHz)	$6\pm1.0 dB (7.5 GHz\!\sim\!10 GHz)$	
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				

- Standard type with ground on back side can gain stable performance regardless of circuit characteristics
- *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
 - · Simplified pattern can be realized as ground is not required on the surface of circuit





Positive Emitter Coupled Logic(PECL) Chip Terminators

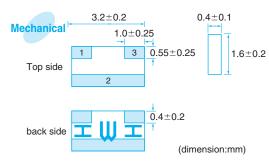


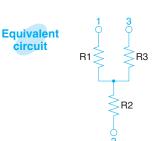
Suitable for output applications in emitter coupled logic for high-speed signal transmission. Minimized reflection permits high-speed data processing.

RoHS compliant

Completely lead free







Electrical

Туре	RN1632F		
Resistance (Ω)	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		



