

High Precision Power Splitter

PS Series



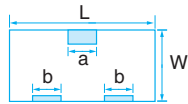
Power splitter with excellent high frequency characteristics for applications from DC~20GHz Bit error is restrained by keeping high frequency digital signal stable Offer standard type with ground and custom type designed to customer' specification.

RoHS compliant

Completely lead free

SPECIFICATIONS

Mechanical



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
a	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

Type	PS1608G	PS2012G	PS3216G	PS5025G
Operating frequency	DC~20GHz	DC~17.5GHz	DC~15GHz	DC~10GHz
Insertion loss	6±0.5dB(DC~10GHz) 6±1.0dB(10GHz~20GHz)	6±0.5dB(DC~10GHz) 6±1.0dB(10GHz~17.5GHz)	6±0.5dB(DC~10GHz) 6±1.0dB(10GHz~15GHz)	6±0.5dB(DC~7.5GHz) 6±1.0dB(7.5GHz~10GHz)
Insertion loss	max.0.3dB			
Insertion loss	1.3(DC~10GHz) 1.5(10GHz~20GHz)	1.3(DC~10GHz) 1.5(10GHz~17.5GHz)	1.3(DC~10GHz) 1.5(10GHz~15GHz)	1.3(DC~7.5GHz) 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			

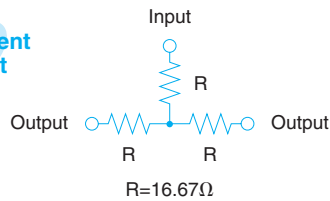
*Standard type with ground on back side can gain stable performance regardless of circuit characteristics

*Custom type without ground on back side can be designed according to specific circuit

· Please ask as for chip custom type with dimension of 1.0*0.5mm

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

Equivalent circuit



PART NUMBER

PS 1608 G T2 - R50 - T1(T5)

Package (T1:1,000pcs/reel, T5:5,000pcs/reel)

Impedance (50Ω)

Number of output terminal (T2=2 terminals)

Type(G=standard)

Dimensions

Part Code



Positive Emitter Coupled Logic(PECL) Chip Terminators



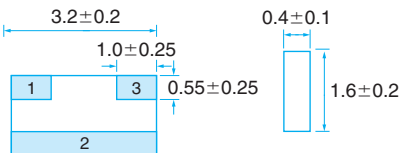
Suitable for output applications in emitter coupled logic for high-speed signal transmission. Minimized reflection permits high-speed data processing.

RoHS compliant

Completely lead free

SPECIFICATIONS

Mechanical

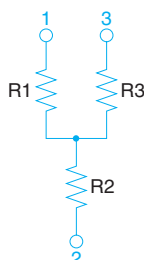


(dimension:mm)

Electrical

Type	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

Equivalent circuit



PART NUMBER

RN 1632 F - N23 - F - C

Serial Code

Resistance Tolerance

Code No.

Circuit

Dimensions

Part Code

Mouser Electronics

Authorized Distributor

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Susumu:

[PS1608GT2-R50-T5](#) [PS2012GT2-R50-T5](#) [PS3216GT2-R50-T5](#)