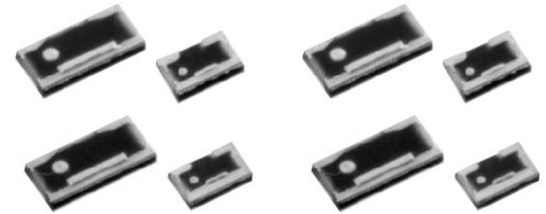
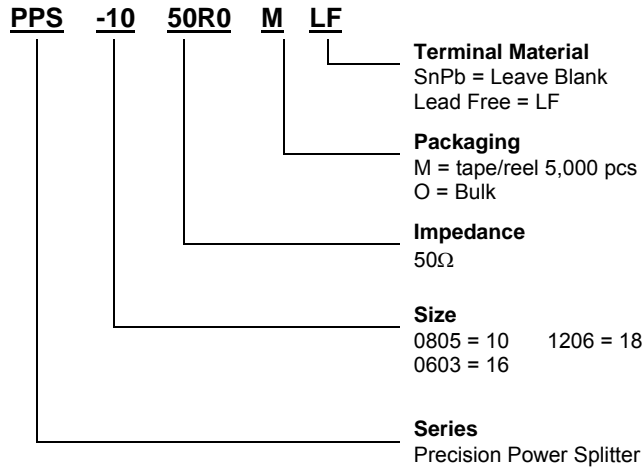


HOW TO ORDER



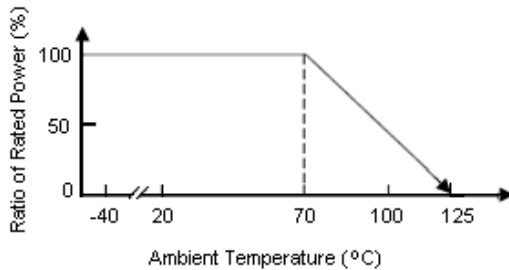
FEATURES

- High Frequency Splitter is constructed of thin film resistive material
- Power splitter with excellent high frequency characteristics for applications from DC~20GHz
- This product has a small reflection feature, allowing for superior in high frequency applications
- Allows for high density mounting
- Bit error is restrained by keeping high frequency digital signal stable

PPS-A ELECTRICAL CHARACTERISTICS

Item		PPS-16 2/25	PPS-10	PPS-18 2/25
Size		0603	0805	1206
Circuit Configuration		2/25	2/25	2/25
Operating Frequency		DC~20GHz	DC~17.5GHz	DC~15GHz
Insertion Loss	6 ± 0.5dB	DC~10GHz	DC~10GHz	DC~10GHz
	6 ± 1.0dB	10~20GHz	10~17.5GHz	10~15GHz
Split Deviation		0.3dB max	0.3dB max	0.3dB max
VSWR	1.3	DC~10GHz	DC~10GHz	DC~10GHz
	1.5	10~20GHz	10~17.5GHz	10~15GHz
Input Power at 70°C		100mW	125mW	250mW
Max Overload Power		200mW	250mW	500mW
Resistance		R1 = R2 = R3 = 50Ω typical		
Operating Temperature		-40°C ~ +125°C		
Packaging		1,000/Reel or 5,000/Reel		

DERATING CURVE – Circuit 2/25



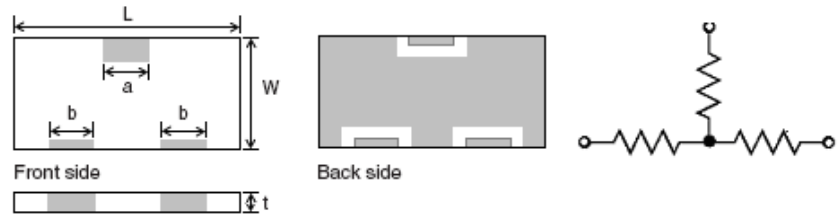
DIMENSIONS (mm)

Series	L	W	a	b	t
PPS-05 2/25	1.00 ± 0.2	0.50 ± 0.2	0.4 ± 0.1	0.30 ± 0.1	0.4 ± 0.10
PPS-16 2/25	1.60 ± 0.2	0.80 ± 0.2	0.4 ± 0.1	0.30 ± 0.1	0.4 ± 0.10
PPS-10 2/25	2.00 ± 0.2	1.25 ± 0.2	0.4 ± 0.1	0.30 ± 0.1	0.4 ± 0.10
PPS-18 2/25	3.20 ± 0.2	1.60 ± 0.2	0.3 ± 0.1	0.35 ± 0.1	0.4 ± 0.10
PPS-12 2/25	5.00 ± 0.2	2.5 ± 0.2	0.35 ± 0.1	0.65 ± 0.1	0.8 ± 0.15

SCHEMATIC LEGEND

1. Thin Film Resistor
2. Overcoat Resin
3. Terminal (SnPb or Lead Free)
4. Marking (dot to indicate direction & bar)
5. Alumina Substrate

SCHEMATIC – Circuit 2/25



PERFORMANCE

Item	Test Condition	Tolerance
Short Time Overload	2.5 times of the rated voltage shall be applied for 5 seconds.	±0.1%
Rated Load Life	Apply rated voltage for 90 min followed by a pause of 30 min at 70±3°C for 1000 hours.	±0.25%
Moisture Load Life	The chip divider is applied rated voltage for 90 min at 60±2°C 90~95%RH for 1000 hours.	±0.25%
Temperature Cycle	[-55°C (30min)-R.T.(3min)-+125°C(30min)-R.T.(3min)] is repeated 5 cycles.	±0.1%
Soldering Heat Resistance	Leave NR in melt solder of 260±5°C for 10±1 seconds.	±0.1%
Strength Between Terminals	Distance between fulcrums : 90mm; Bending width : 3mm; Substrate: Glass epoxy t=1.6mm	±0.1%
Solderability	Leave NR in melted solder of 235±5°C for 3±0.5 seconds.	≥95% of the surface should be wet
Insulation Resistance	A minute after 500 DC	≥ 1000M Ω

*** Custom Designs Available