

## H3-JPS-3-1+

5-300MHz 50Ω 3Way Power Divider

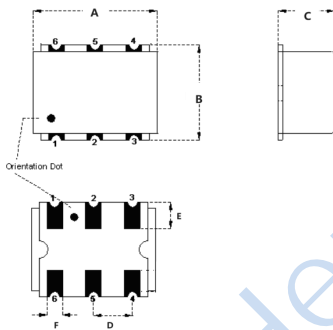
### APPLICATIONS

- Ideally suitable for VHF/ defense & federal communications/ defense & federal communications applications.

### FEATURES

- Surface mount
- 3 Way 0 degree
- 260°C reflow compatible
- RoHS compliant and Pb free
- Available on tape and reel

### DIMENSIONS

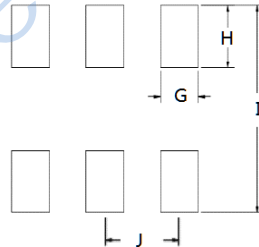


A	B	C
8.30	7.11	5 Max
D	E	F
2.54	1.20	1.20

Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

### PCB LAYOUT



G	H	I
1.65	2.54	7.62
J		
2.54		

### FUNCTIONAL SCHEMATIC



### PIN CONFIGURATION

Pin No.	Function
1	SUM PORT
2	GROUND
3	PORT 3
4	PORT 2
5	GROUND
6	PORT 1

### ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0			50		Ohm
Insertion Loss (Above 4.8dB)	5 - 50MHZ		0.2	0.6	dB
	50 - 150MHz		0.3	0.7	dB
	150 - 300MHz		0.6	1.4	dB
VSWR	5 - 50MHZ		1.05		dB
	50 - 150MHz		1.05		dB
	150 - 300MHz		1.12		dB
Isolation	5 - 50MHZ	25.0	35.0		dB
	50 - 150MHz	23.0	31.0		dB
	150 - 300MHz	20.0	31.0		dB
Amplitude Balance	5 - 50MHZ		0.1	0.4	dB
	50 - 150MHz		0.1	0.4	dB
	150 - 300MHz		0.2	0.6	dB
Phase Balance	5 - 50MHZ		0.1	2	Deg
	50 - 150MHz		0.1	4	Deg
	150 - 300MHz		0.9	6	Deg

### ABSOLUTE MAXIMUM RATINGS

Parameter	Value
Input RF Power	1W Max
Internal Load Dissipation	0.375W Max
Operating Temperature Range	-40 to 85°C

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## TEST CURVE

