

Wideband Reactive Power Splitter

PSR-EH2AI /PSR-EH2NI

Low PIM (-161dBc), 138-4200MHz, 4.3-10 Female & N-Female, 300W

- Wideband operation (138–4200MHz) supporting Public Safety and C-Band application
- 2-way Reactive Power Splitter
- Rugged design for indoor and outdoor environments
- High reliability with low insertion loss

Electrical Specification

Product Model	PSR-EH2AI	PSR-EH2NI
	2-Way, 4.3-10 Type	2-Way, N-type
Frequency (MHz)	138-4200	
Split Loss (dB)	3.0	
Insertion Loss (dB)	≤ 0.4 @138-960MHz, ≤ 0.8 @960-2700MHz, ≤ 1.3 @2700-4200MHz	
VSWR@ input port	≤ 1.5 @138-175, ≤ 1.25 @175-520MHz, ≤ 1.35 @520-4200MHz	
PIM (dBc)	≤ -161 @ 2 x 43dBm	
Average Power, max (W)	200	
Peak Power, max (W)	1000	
Impedance (ohm)	50	

Mechanical Specification

Dimension (in/mm)	7.4x3.5x1.0 / 188.2x89.0x26.0
Weight (lb./kg)	2.1 / 0.95
Shipping Dimension(in/mm)	9.7x5.3x1.5 / 245.0x135.0x38.0
Shipping Weight(lb./kg)	2.2 / 0.99
Connector	PSR-EH2AI @ 4.3-10 Female PSR-EH2NI @ N-Female

Environment & Compliance

Application	Indoor / Outdoor
Operating Temperature	-30°C to +85°C
Environment	IP65
Relative Humidity	Up to 95%
RoHS	Compliant

Outline Drawing

