

AS3H-01A

2900~3100MHz 320W HPA

General Description

The AS3H-01A designed for radar systems applications. It has a wider bandwidth and higher efficiency. Operating 2900~3100MHz, the AS3H-01A achieves 43dB of gain with an efficiency of 30%.



Applications

- Marine radar
- Navigation radar
- Weather radar
- Missile tracking radar
- Space exploration radar
- Surveillance ground radar
- Threat detection radar
- Air traffic control radar

Electrical Specification

Parameter	Specification	Comment
Frequency	2900 ~ 3100MHz	
Output Power	320W	Typ. @10% Duty
Pulse width	Short : 70nS Long : 32uS	
RF input power	10dBm	Typ.
Gain	43dB	Min.
Efficiency	30%	Min.
Gain Flatness	± 1dB	
Duty Cycle	20%	Max.
Rise/Fall Time	15ns	Max.
Harmonic	-40dBc	Max.
In band Spurious	-65dBc	Max.
Out band Spurious	-65dBc	Max.
Input / Output Impedance	50ohm	

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Mechanical Specification

