



Waveguide Power Divider, A Band, 8 Way, 26.5 to 40 GHz

Description:

Model SWP-27340308-28-E1 is a Ka band, 8-way in-line waveguide power divider that operates across the frequency range of 26.5 to 40 GHz. The power divider offers a typical insertion loss of 1.2 dB at each output port and a typical isolation of 20 dB and 30 dB between adjacent and non-adjacent ports respectively. The ports are well balanced and in phase for either power dividing or power combining applications across the specified frequency range. Other configurations are available under different model numbers.



Features:

- Low Insertion Loss
- High Isolation
- In-line Configuration

Applications:

- Power Combining and Dividing
- Test Instrumentation
- Sub-assemblies

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	26.5 GHz		40 GHz
Insertion Loss		1.2 dB	
Power Unbalance		±0.5 dB	
Isolation (Adjacent Ports)		20 dB	
Isolation (Non-Adjacent Ports)		30 dB	
Return Loss		15 dB	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

Mechanical Specifications:

Item	Specification
Input Port	WR-28 Waveguide with UG-599/U Compatible Flange
Output Ports	WR-28 Waveguide with UG-599/U Compatible Flange
Port Separation	1.00"
Material	Aluminum
Finish	Gold Plated
Weight	10.4 Oz
Size	8.00" (L) x 2.50" (W) x 0.95" (H)
Outline	WP-A8I



