



S Band Power Combiner for use in Digital Airport Surveillance Radar.

Designed and manufactured in house for Air Traffic Control applications. The centre section of the part comprising the magic and H plane tees was produced machined from solid, the integral loads were fitted to cast 90° bends to keep the height of the device to a minimum.

Configuration:	8 : 1
Inputs:	Push on TNC
Output:	WR284 Flange
Frequency:	2.7—2.9 GHz
Return Loss:	VSWR 1.16 : 1
Insertion Loss:	0.25dB
Isolation:	22dB

S Band Power Divider for use in radar application.

Designed and manufactured in house. Rather than the traditional approach of using tees or couplers with terminations, this divider was manufactured using 3 port E plane tees fitted with a restive vane. The transition from full height to ½ height is done using 16 special step transition castings.

Two pieces of jacketed flexible waveguide are fitted to the part to account for tolerance stack up during the manufacture

Configuration:	1 : 16
Input:	WR284 Flange
Outputs:	½ height WR284



Note: The devices shown here are examples of products made by Micro Metalsmiths. Other waveguide sizes and port combinations are available.

For more information contact the Micro Metalsmiths' sales team on +44 (0) 1751 432355 or sales@micrometalsmiths.co.uk