

EPWG-2N-HP-PD01

2-WAY POWER COMBINER/ DIVIDER, 6 – 18 GHZ, 15KW Watts @ 18GHz

REV 1.00



The EPWG-2N-HP-PD01 is an ultra-wide bandwidth high power double-ridge waveguide combiner/DIVIDER that delivers exceptional performance in a small package size.

Features and Applications

- Combining high power amplifiers
- Compact size
- Low insertion loss
- 15KW CW power at 18GHz

ELECTRICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
FREQUENCY RANGE	6.0 – 18 GHz
INSERTION LOSS	0.35 dB max
RETURN LOSS	> 23 dB typ.
POWER HANDLING	15KW at 25C case temperature

MECHANICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
MATING INTERFACE	WRD-650D28
OPERATING TEMP	-55 TO +155 °C
NON-OPERATING TEMP	-55 TO +155 °C
WEIGHT	0.57 lb. / 258.54 g.

MATERIAL SPECIFICATIONS

METALS BY WEIGHT FRACTION
▪ Al Alloy 6061-T6 w/Hexavalent-Chromium-Free Conversion Coating: 90%
▪ Stainless Steel, Passivated: 9%

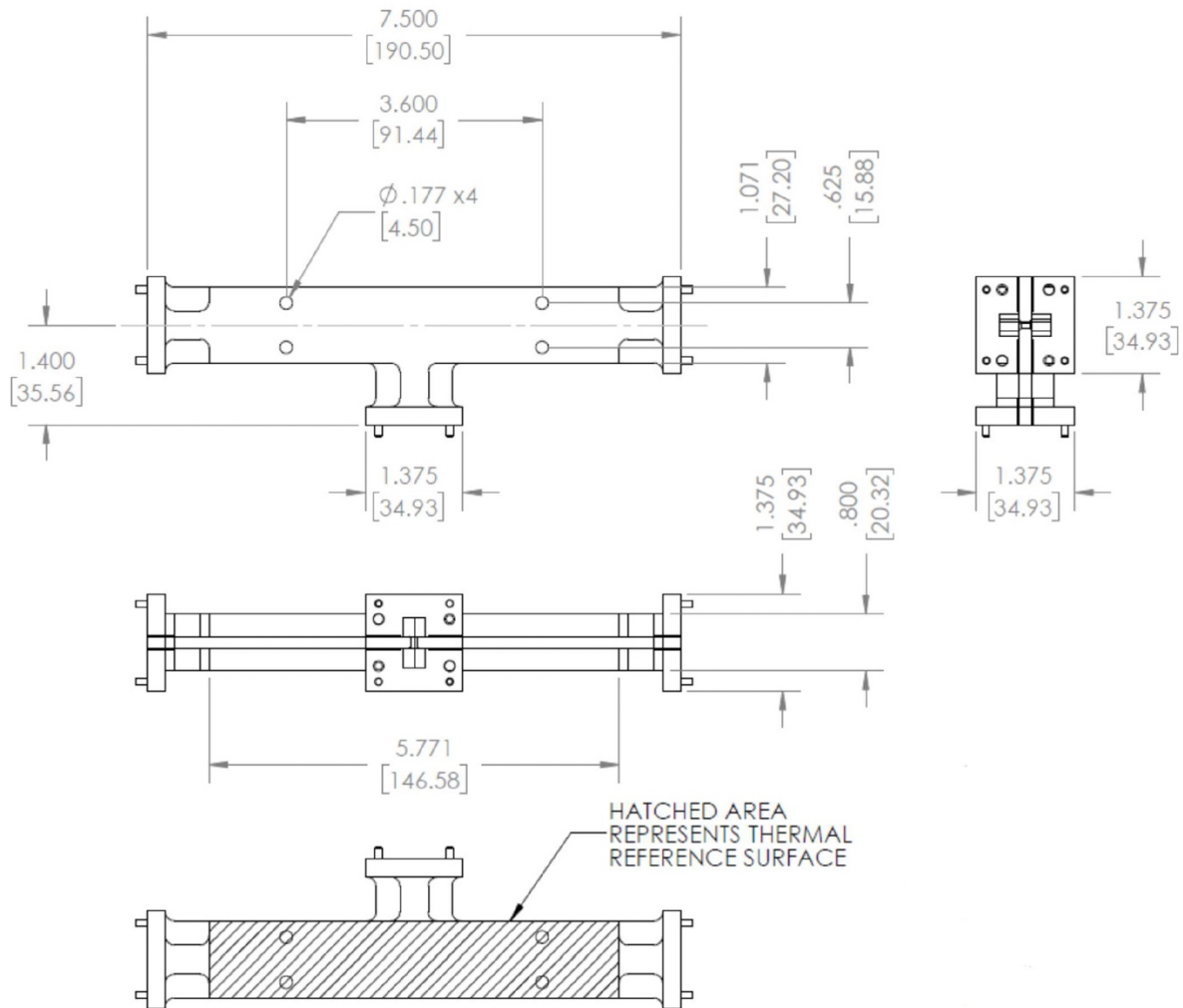
ORDERING INFO

EPWG - 2N - HP - PD01

PRODUCT CODE	FREQUENCY BAND	POWER	
POWER DIVIDER/COMBINER	6.0 – 18 GHz	1.5KW CW	2-WAY

Electro-Photonics LLC reserves the right to modify drawings, configurations, specifications, and design at any time without prior notification.

MECHANICAL OUTLINE



NOTES:

1. ALL DIMENSIONS IN inch [mm] FORMAT.
2. MOUNTING VIA 4X #8 OR M4 SCREW
3. THERMAL POWER SPECIFICATIONS RELATIVE TO MAXIMUM TEMPERATURE ON DESIGNATED "THERMAL SURFACE", 5.771 x 1.071 INCHES.
4. THERMAL REFERENCE OR HEAT SINK IS REQUIRED ON ONE SIDE ONLY.

TYPICAL PERFORMANCE

