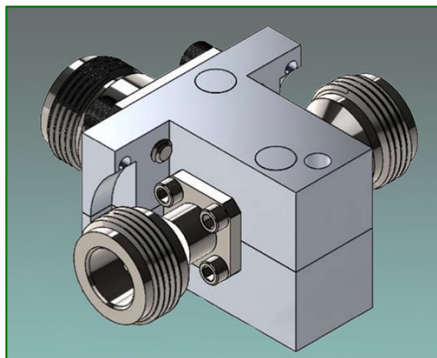


EPD-2N-NF-HP1

2-WAY POWER COMBINER/ DIVIDER, 6 – 18 GHZ, 500 Watts @ 6GHz

REV 1.00



The EPD-2N-NF-HP1 is an ultra-wide bandwidth unisolated high power combiner that delivers exceptional performance in a small package size.

Features and Applications

- Combining high power amplifiers
- Compact size
- Low insertion loss
- 500W CW power at 6GHz

ELECTRICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
FREQUENCY RANGE	6.0 – 18 GHz
INSERTION LOSS	0.4 dB max
RETURN LOSS	>20 dB
PORT BALANCE	$\pm 0.05\text{dB} / \pm 5^\circ @ 18\text{GHz}$
POWER HANDLING	500 @ 6GHz / 360W @ 18GHz at 25C case temperature
IMPEDANCE	50 ohm

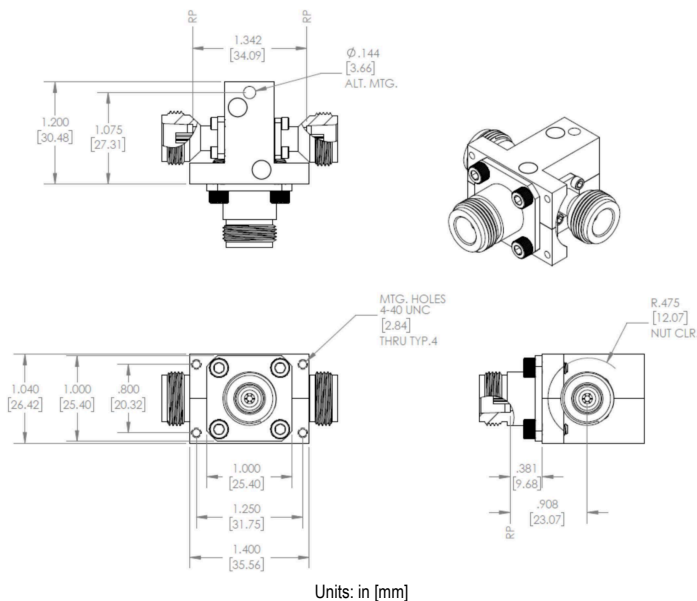
MECHANICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
MATING INTERFACE	N-type (F)
OPERATING TEMP	-55 TO +155 °C
NON-OPERATING TEMP	-55 TO +155 °C
WEIGHT	0.23 lb / 104.3 g

MATERIAL SPECIFICATIONS

METALS BY WEIGHT FRACTION
▪ Al Alloy 6061-T6 w/Hexavalent-Chromium-Free Conversion Coating: 35%
▪ Stainless Steel, Passivated: 61%
▪ BeCu Alloy C14300 w/Au plating: 1%
▪ Copper Immersion Ag plating: 0.005%

MECHANICAL OUTLINE



ORDERING INFO

EPD	-	2N	-	NF	HP1
PRODUCT CODE		FREQUENCY BAND		CONNECTOR	
POWER COMBINER		6.0 – 18 GHz		N-type (F)	HIGH POWER

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

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TYPICAL PERFORMANCE

