The product information in this catalog is for reference only. Please request the Engineering Drawing for the most current and accurate design information. All non-RoHS products have been discontinued, or will be discontinued soon. Please check the products status on the Hirose website RoHS search at www.hirose-connectors.com, or contact your Hirose sales representative.



HB Series



Features

1.Cuts DC and Supplies Voltage

Without affecting the high frequency characteristics, these bias tee can supply a DC bias (of 50 V, 2.5 A max.) to the item being measured.

2. Coupling Portion Uses SMA Connectors SMA connectors (Hirose Electric HRM Series, 50Ωimpedance Z) are used in the coupling portion.

3.Ensure a Wide Bandwidth and High Performance The specification frequency shows a wide bandwidth of 500 MHz to 1800 MHz and there is a low insertion loss of 0.3 dB or less.

Product Specifications

Ratings	Frequency range Characteristic impedance Maximum Input Power	500 to 1800 MHz 50 ohms 1 W	Operating temperature range Operating relative humidity	−10℃ to +65℃ 95% Max.
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Materials

Part	Material	Finish		
Body	Aluminum	Conductive alumite		
Connector Body	Stainless steel	Passivated		
Female contact	Beryllium copper	Gold plating		

Ordering Information

HB-	HRM	- JJ	(40)
1	2	3	4

Series Name: HB	Connector Coupling Portion		
Type of Connector	Jack - Jack		
SMA (Hirose Electric HRM Series)	4 (40): RoHS Compliant		

49.1 2-1/4-36UNS-2A Ð 26.5 œ hn

External Dimensions

Specifications

Part Number	Function	Connectors	Schematic	Frequency Range (MHz)	V.S.W.R. (Max)	Insertion Loss (dB Max)	Power (W)	Weight (g)	RoHS
HB-HRM-JJ	BIAS-TEE	HRM Jack HRM Jack	JO J	800~1,200 500~1,800		0.3	1	60	YES

Typical Data



