

# TGD-A2 SERIES 90° HYBRID AND COMBINER

P/N:TGD-A2031



## FEATURES AND APPLICATION:

TGD-A2 series 90° hybrid adopts strip line structure, it gets low insertion loss, high isolation, good amplitude and phase accuracy, and high power handling.

TGP-A2031 broad band 90° hybrid is mainly used for communication, EW, radar, navigation, identifying, measuring and testing fields, combining power, antenna and feed network, splitting orthogonal power.

“HYBRID APPLICATION DIRECTORY TG6205001C” should be as reference. The series can be customized according to customer’s needs.

## TECHNICAL SPECIFICATIONS:

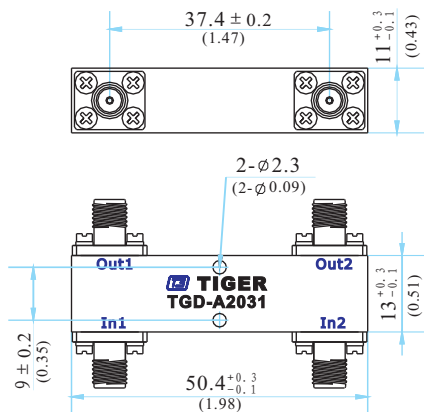
Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
1-2GHz	0.30dB	22dB	1.20	±0.5dB
Phase Balance	Connector	Power Handling		
±2°	SMA-F	50W		

## ENVIRONMENTAL PARAMETERS:

WORKING TEMPERATURE: -55~+85°C

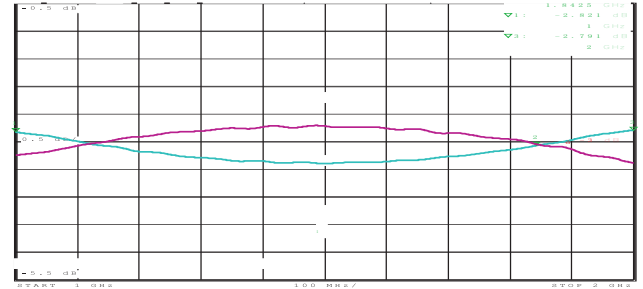
STORAGE TEMPERATURE: -55~+100°C

OUTLINE:  $\frac{\text{mm}}{\text{(inch)}}$

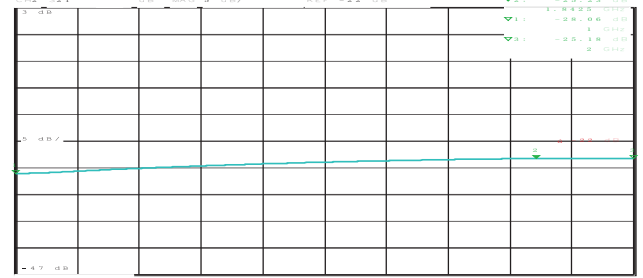


## TYPICAL PLOT:

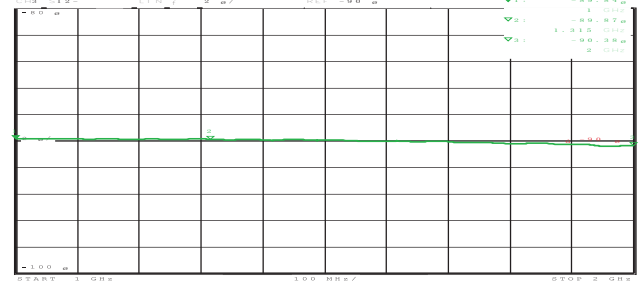
Insertion loss



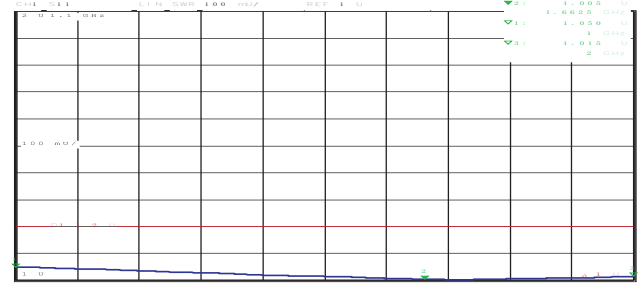
Isolation



Phase Balance



VSWR(input)



VSWR(output)

