### **TGD-E2 SERIES**

# From Tiger Microwave

REF - 90

# TGD-E2 SERIES



### P/N:TGD-E2030



### FEATURES AND APPLICATION:

TGD-E2 drop-in series is 90° 3dB hybrid without shell package. It's with octave frequency range, compact size, high power handling and so on. Quality conformity can be guaranteed even under mass production. The series is Tiger's standard product and can be customized according to specific needs.

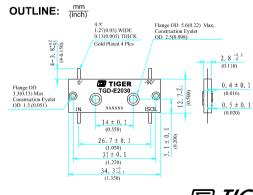
TGD-E2030 is mainly used to combine and split power in the fields of military and commercial communication, radar, navigation and

## so on. TECHNICAL SPECIFICATIONS:

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitute Balance	Phase Balance
0.5-1GHz	0.3dB	20dB	1.20	$\pm 0.5 \mathrm{dB}$	±2 °
Connector	Power Handing				
_	200W				

### ENVIRONMENTAL PARAMETERS:

WORKING TEMPERATURE: -55~+100  $\mathcal C$  STORAGE TEMPERATURE: -55~+125  $\mathcal C$ 



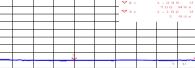
		V1 i	-2.920 ( 500 MH
		▼2:	-3.542 0
		▼3:	700 MH -2.995 (
			1 GH
	4		- 2 48

Isolation CH2 S216M		V 1 4	-24.75
			500
		₩23	-25.22
			2.0.0
	_		-26.04
			1.
	•		
	_		

#### Phase Balance + 3 /

-75			▼2: ▼1:		-91.58 1 GHz -89.97	
			_	1	500	MHE
19					- 0.0	
-105						

VSWR(Input) SUI SWR 100 mU/



# VSWR(Output) OWR 100 mU/ REF 1 U 2 U OWR 100 mU/ V1+ 1 00 mU/ V1+ 100 mU/ 1 00 mU/ OWR 100 mU/ V1+ 1 00 mU/ OWR 100 mU/ V1+ 1 00 mU/ OWR 100 mU/ OWR 100 mU/ 1 00 mU/ OWR 100 mU/ OWR 100 mU/ 0 01 OWR 100 MU/ OWR 100 MU/

# 🗇 TIGER

Tiger Microwave Industrial Park, NO.18, Xinwen Road, Hi -Tech West Zone, Chengdu, China Tel: +86-28-62811638 Fax: +86-28-62811637 cdtiger@tiger-mw.com http://en.tiger-mw.com

### P/N:TGD-E2031



### FEATURES AND APPLICATION:

TGD-E2 drop-in series is 90° 3dB hybrid without shell package. It's with octave frequency range, compact size, high power handling and so on. Quality conformity can be guaranteed even under mass production. The series is Tiger's standard product and can be customized according to specific needs.

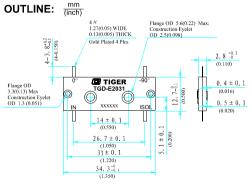
TGD-E2031 is mainly used to combine and split power in the fields of military and commercial communication, radar, navigation and

### TECHNICAL SPECIFICATIONS:

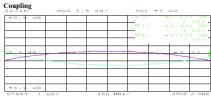
Frequency Range	Insertion Loss	Isolation	VSWR	Amplitute Balance	Phase Balance
1-2GHz	0.3dB	18dB	1.25	$\pm 0.5 \mathrm{dB}$	±2 °
Connector	Power Handing				
-	100W				

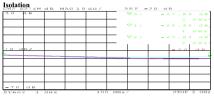
### ENVIRONMENTAL PARAMETERS:

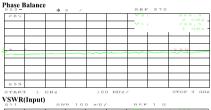
WORKING TEMPERATURE: -55~+100  $\mathcal C$  STORAGE TEMPERATURE: -55~+125  $\mathcal C$ 



### TYPICAL PLOT:









VSWR(Output)





Tiger Microwave Industrial Park, NO.18, Xinwen Road, Hi -Tech West Zone, Chengdu, China Tel: +86-28-62811638 Fax: +86-28-62811637 cdtiger@tiger-mw.com http://en.tiger-mw.com