TGD-E2 SERIES



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P/N:TGD-E2037



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-E2037 is mainly used to combine and split power in the fields of military and commercial communication, radar, navigation and

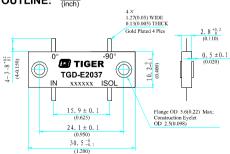
TECHNICAL SPECIFICATIONS:

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitute Balance	Phase Balance
1.7-3.4GHz	0.35dB	17dB	1.30	±0.5dB	±2.5 °
Connector	Power Handing				
	0011/				

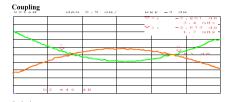
ENVIRONMENTAL PARAMETERS:

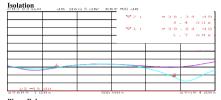
WORKING TEMPERATURE: -55~+100 ℃ STORAGE TEMPERATURE: -55~+125 °C

OUTLINE: mm (inch)

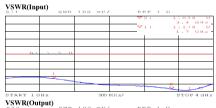


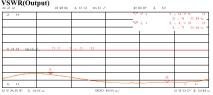
TYPICAL PLOT:





-75					V 1 :	-90.15 1.7 GHz
					▼2: 1 1	-89.81 3.4 GHz
9	,	± .		 	~~	-
-10	5					





P/N:TGD-E2041



FEATURES AND APPLICATION:

TGD-E2 drop-in series is 90° 3dB hybrid without shell package. It's with 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-E2041 is specially applied in radar for purpose of performance optimization. It can split and combine power in the fields of solid state power amplifier, radar antenna, feeder

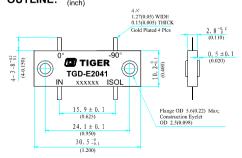
TECHNICAL SPECIFICATIONS:

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitute Balance	Phase Balance
3.1-3.4GHz	0.35dB	17dB	1.30	$\pm 0.3 \mathrm{dB}$	±2.5 °
Connector	Power Handing				
	80W				

ENVIRONMENTAL PARAMETERS:

WORKING TEMPERATURE: -55~+100 ℃ STORAGE TEMPERATURE: -55~+125 ℃

OUTLINE: mm/(inch)



TYPICAL PLOT:

NICHTIDAT A

Coupling	24 A G	0.2 d	14 /	28 kg kr =	3 c11a
				V11	-3.039 dB 3.1 GHz
				V 2 :	-3.022 an
					3.5 GHz
		1		2	
D 2	- 8 0	ав			

ISOI	ition	ciR M	na s anz	Ye			
					A1:		12 dB
					-		1. GHR.
					∀2:	-34.	0.2 d.B
					_	3 .	$g=g(u)\times$
_		_					-30 46
					-	_	
	D2 -80 dB						

hase_Bal	ance _	3 /	REF -S	0
-75			A 5.1	-91.84 1.7 GHz
			∨1:	91.87
-105				STOP 4 SH

		V1:	1.042 3.1 CF	
		₹2:	1.085 3.5 GF	U
			3.5 GF	6 28
		2		_

	9			V1.1	1.030 3.1 GHs	
					∀2:	1.056 3.5 GH
1.0	O mU/					
			+	-		
						1 0

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