TGD-E2 SERIES



TGD-E2 SERIES

P/N:TGD-E2056



P/N:TGD-E2053



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-E2053 is mainly used to combine and split power in the fields of military and commercial communication such as radio, digital trunking communication system and so on.

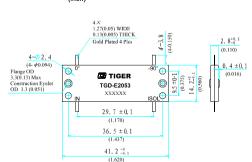
TECHNICAL SPECIFICATIONS:

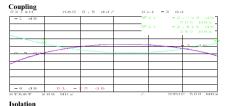
Frequency Range	Insertion Loss	Isolation	VSWR	Amplitute Balance	Phase Balance	
0.25-0.5GHz	0.3dB	20dB	1.20	$\pm 0.5 \mathrm{dB}$	±2 °	
Connector	Power Handing					
_	200W					

ENVIRONMENTAL PARAMETERS:

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

OUTLINE: mm (inch)





20 dB	250 MHz	∨2:	-36.7	8 dB
		-	500	MHS
		√ 1 :	-28.5	9 aB
				MMz
DI H	go ab		- 12	0 45
	A.			
10 ab/				
-80 dE	J			

912-	Ф	8 /		EF - 5	
-50			,	2:	-91.56
				1 :	500 MMz
			~	1. 1	250 MHz
				1	250 MH2
a / 1					9.0
			1		
-130					
START 20	s HM o	1			STOP 500 MI

1 1	SWR	100 m	TT/	REF 1	TJ
5 0					1.028 U
				V1:	1.024 U
					250 MHz
100 mU					
D 2 1	2 11				
					1 0
TART 200	MHz				STOP 500 MH:

VSWR(Output)	mU/ REF L	U
2 0	△51	1.015 U
	∨1:	1.026 U 250 MHz
1.0.0 mil		
D2 1.2 II		
1 U 💎		1 U

TYPICAL PLOT:

	161	
100	O TORM	m 4

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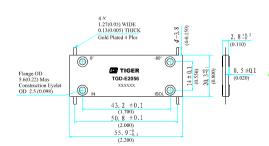
TECHNICAL SPECIFICATIONS:

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitute Balance	Phase Balance
0.1-0.2GHz	0.3dB	18dB	1.20	$\pm 0.5 \mathrm{dB}$	±2 °
Connector	Power Handing				
-	400W				

ENVIRONMENTAL PARAMETERS:

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

OUTLINE: mm (inch)



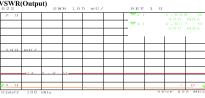
TYPICAL PLOT:

-0.5 dB				72: -3.134 100 71: -3.413					
							-3 2	. 413	
0.5 48							_		- Fi
-5.5 dB									

solation	da/ RE	F -20	ci ii		
50 BB			- 2.8		
		V1:	100		
				00	
8 dB/				-20	d D
		+	_		
-60 dB	5 MH2			200	

	V 1 :	-89.75 100 MHz -91.23 200 MHz
		- 9.0
_		
_		STOP 200 MI

2 U					∀ 2:	1.039	MHz 5 U
100	mII/						
	D 1	1 . 2	ea				
1 11						1 0F 20	U MH



□ TIGER

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