

## TGD-E2 SERIES



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 so on.

### TECHNICAL SPECIFICATIONS:

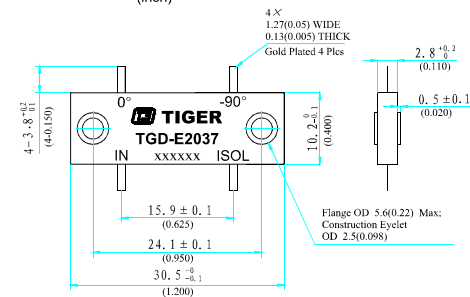
| Frequency Range | Insertion Loss | Isolation | VSWR | Amplitude Balance | Phase Balance |
|-----------------|----------------|-----------|------|-------------------|---------------|
| 1.7-3.4GHz      | 0.35dB         | 17dB      | 1.30 | ±0.5dB            | ±2.5°         |
| Connector       | Power Handling |           |      |                   |               |
|                 | 80W            |           |      |                   |               |

### ENVIRONMENTAL PARAMETERS:

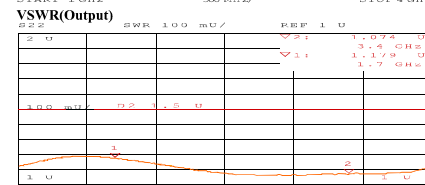
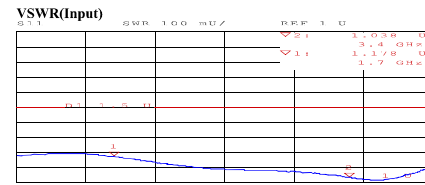
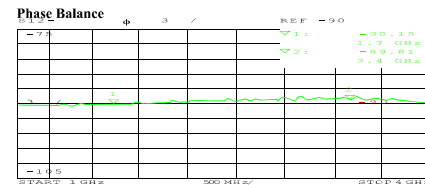
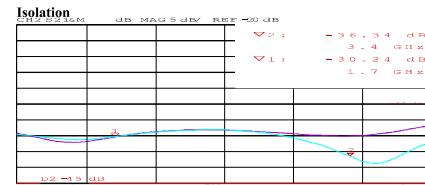
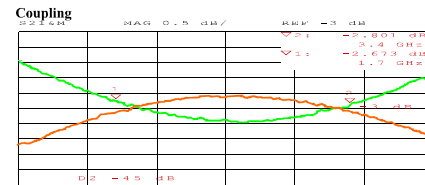
WORKING TEMPERATURE: -55~+100℃

STORAGE TEMPERATURE: -55~+125℃

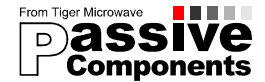
OUTLINE:  $\frac{\text{mm}}{(\text{inch})}$



### TYPICAL PLOT:



## TGD-E2 SERIES



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:

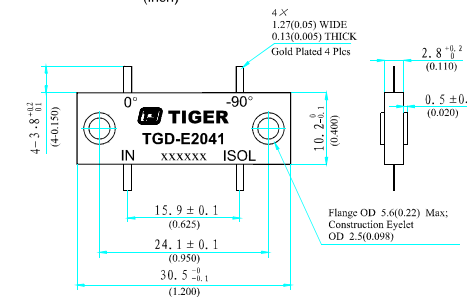
| Frequency Range | Insertion Loss | Isolation | VSWR | Amplitude Balance | Phase Balance |
|-----------------|----------------|-----------|------|-------------------|---------------|
| 3.1-3.4GHz      | 0.35dB         | 17dB      | 1.30 | ±0.3dB            | ±2.5°         |
| Connector       | Power Handling |           |      |                   |               |
|                 | 80W            |           |      |                   |               |

### ENVIRONMENTAL PARAMETERS:

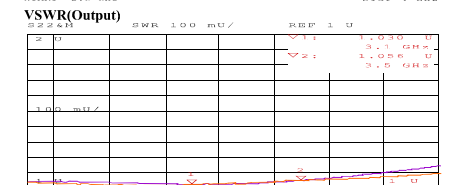
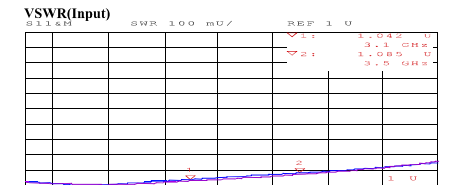
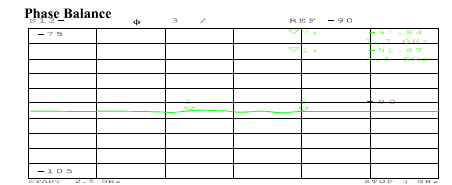
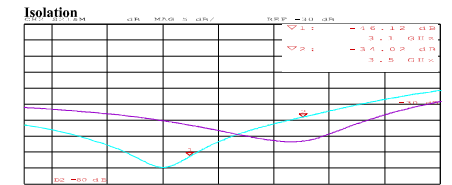
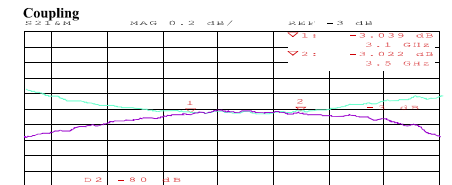
WORKING TEMPERATURE: -55~+100℃

STORAGE TEMPERATURE: -55~+125℃

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



### TYPICAL PLOT:



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