

TGD-E2 SERIES DROP IN 90 ° HYBRID AND COMBINER

P/N:TGD-E2042



FEATURES AND APPLICATION:

Drop in type hybrid is high power 90° 3dB hybrid of off-shell package. It features with octave frequency range, compact size and high power.

TGD-E2042 is specially optimized for radar, and mainly used for combining power on solid power amplifier and also antenna and feeder network on radar, splitting orthogonal power.

“HYBRID APPLICATION DIRECTORY TG6205001C” should be as reference.

TECHNICAL SPECIFICATIONS:

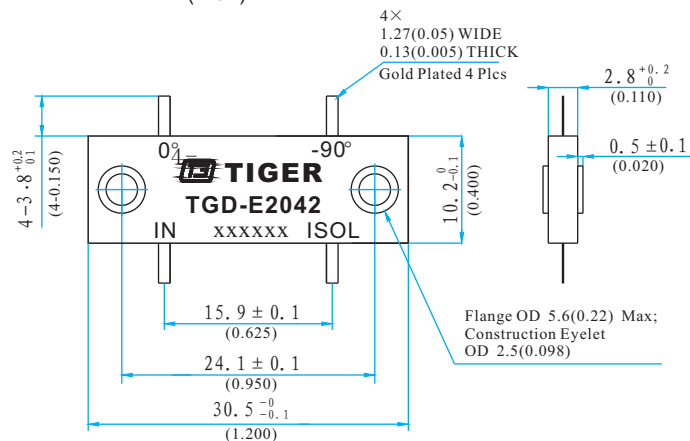
Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance	Phase Balance
2.2-2.9GHz	0.35dB	17dB	1.30	± 0.3dB	±2.5°
Connector	Power Handling				
-	80W				

ENVIRONMENTAL PARAMETERS:

WORKING TEMPERATURE: -55~+100°C

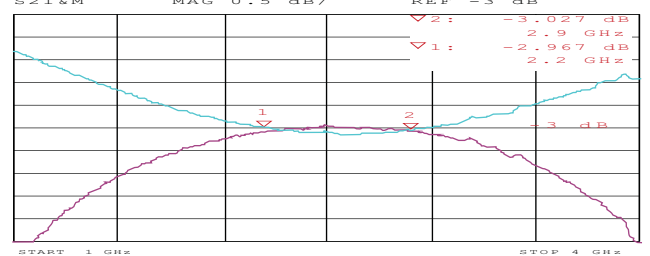
STORAGE TEMPERATURE: -55~+125°C

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

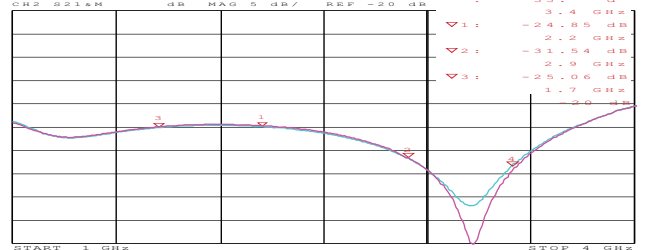


TYPICAL PLOT:

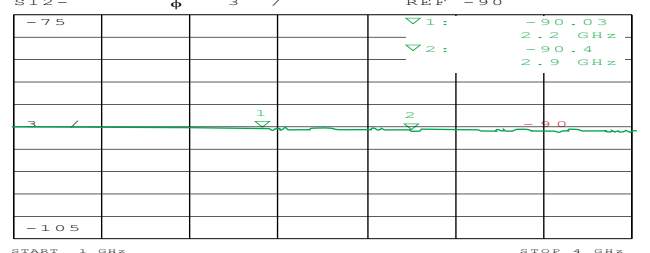
Coupling



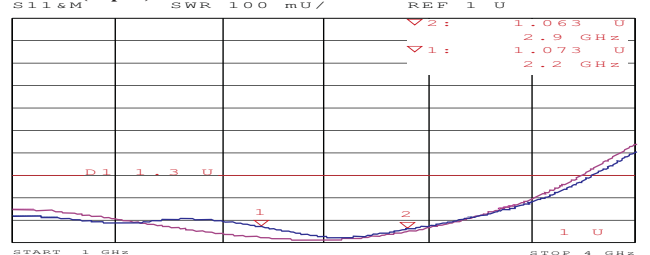
Isolation



Phase Balance



VSWR(Input)



VSWR(Output)

