



TWGF10005

2 WAY-0° Power splitter

0.5 ~ 400MHz

V1

Features:

RoHS Compliant

Tape & Reel

260 Degree Cel SMT Process



Schematic:



Ports Configuration:

SUM PORT	1
PORT 1	3
PORT 2	4
GROUND	6
NOT USED	2,5

Maximum Ratings:

Parameters	Conditions	Unit	Min	Max
RF Power		Watt		2
DC Current		mA		500
Operating Temperature Range		Degree Cel	-40	85
Storage Temperature Range		Degree Cel	-55	100
Moisture Sensitivity Level				1

Ordering Information:

Part Description	Details
TWGF10005	800 per reel
TWGF10005-EVA	Evaluation Board for TWGF10005

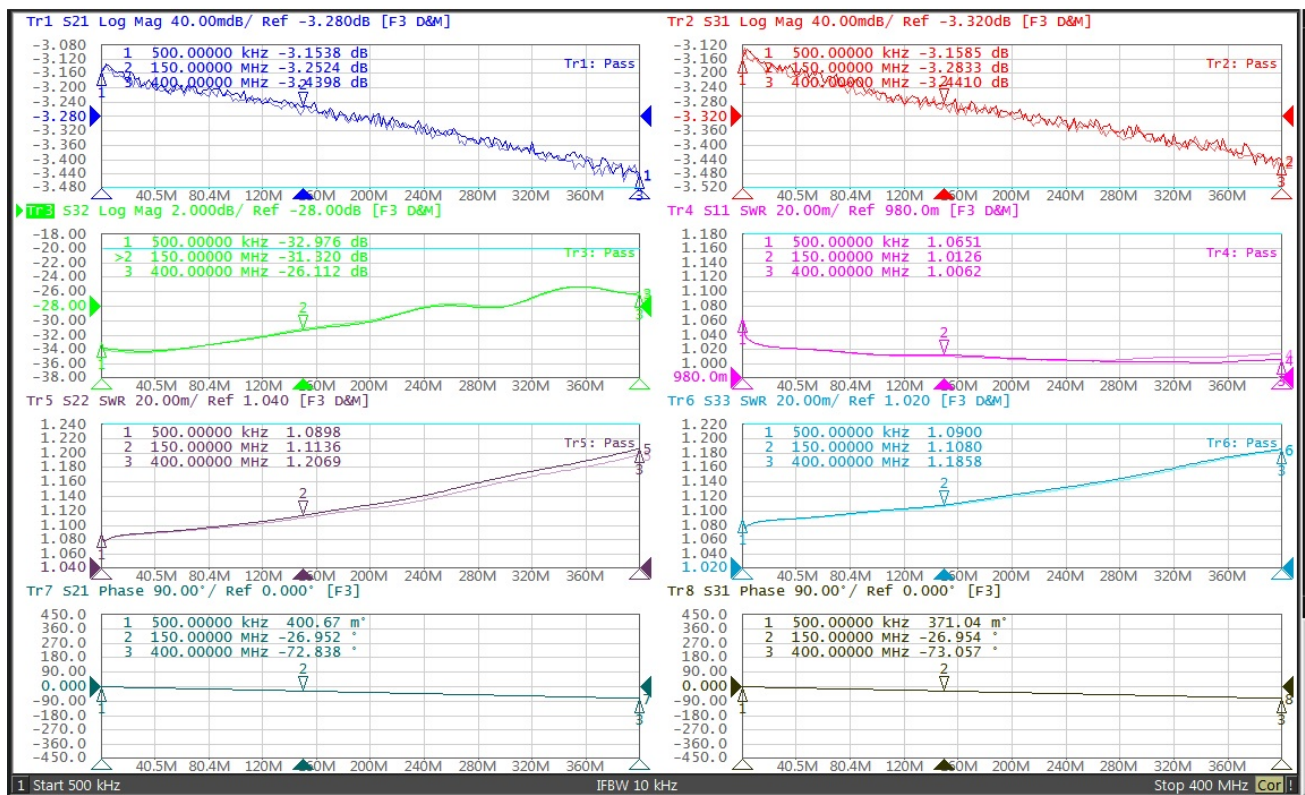
Electrical Specifications: Zo=50 Ohm Pin = 0 dBm

Parameter	Test Conditions	Unit	Min	Typical	Max
Frequency Range	-	MHz	0.5	~	400
Insertion Loss	0.5-400MHz	dB	-	0.4	0.8
Amplitude unbalance	0.5-400MHz	dB	-	0.05	0.3
Phase unbalance	0.5-400MHz	°	-	0.2	3
Input VSWR	0.5-400MHz	VSWR	-	1.05	1.25
Output VSWR	0.5-400MHz	VSWR	-	1.15	1.3
Isolation	0.5-400MHz	dB	20	26	-

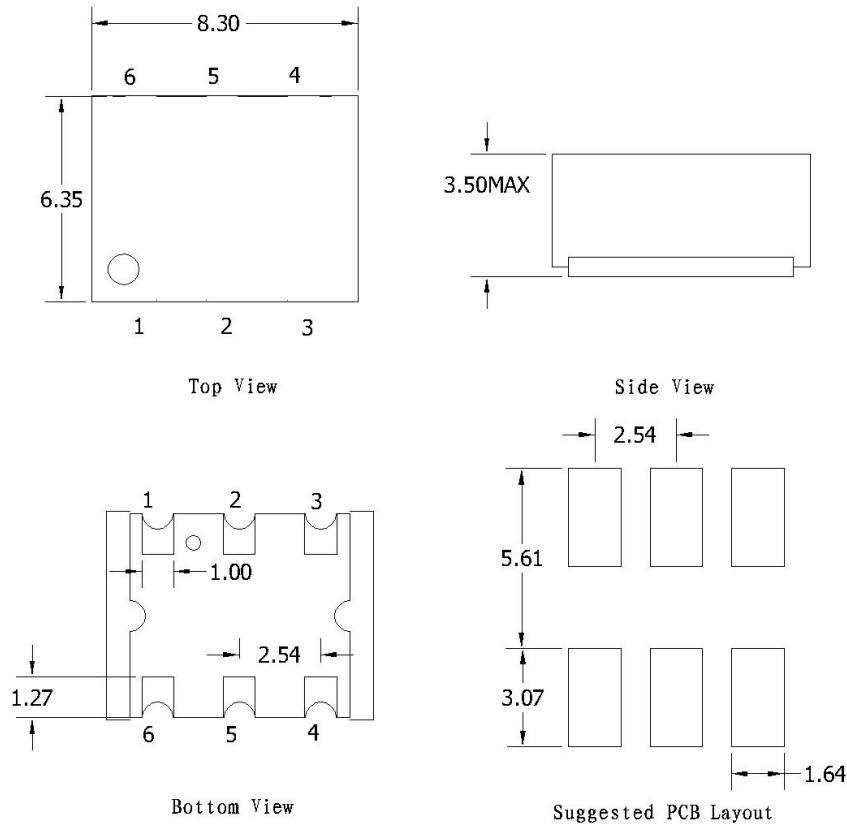
Notes:

- 1: Specifications guaranteed over the operating temperature range.
- 2: Touchstone format sNp file is available on www.exploremw.com.

Typical Performance Curves:



Mechanical Dimensions:



Notes:

- 1: Dimensions in mm.
- 2: Tolerance ± 0.3 mm unless otherwise noted.
- 3: 3D model in STEP format is available at www.exploremw.com