



## TWGF10071

3 WAY-0° Power splitter

10 ~ 300MHz

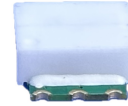
### V1

### Features:

RoHS Compliant

Tape & Reel

260 Degree Cel SMT Process



### Schematic:



### Ports Configuration:

SUM PORT	6
PORT 1	1
PORT 2	2
PORT 3	3
GROUND	4,5

### Maximum Ratings:

Parameters	Conditions	Unit	Min	Max
RF Power		Watt		1
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
TWGF10071	500 per reel
TWGF10071-EVA	Evaluation Board for TWGF10071

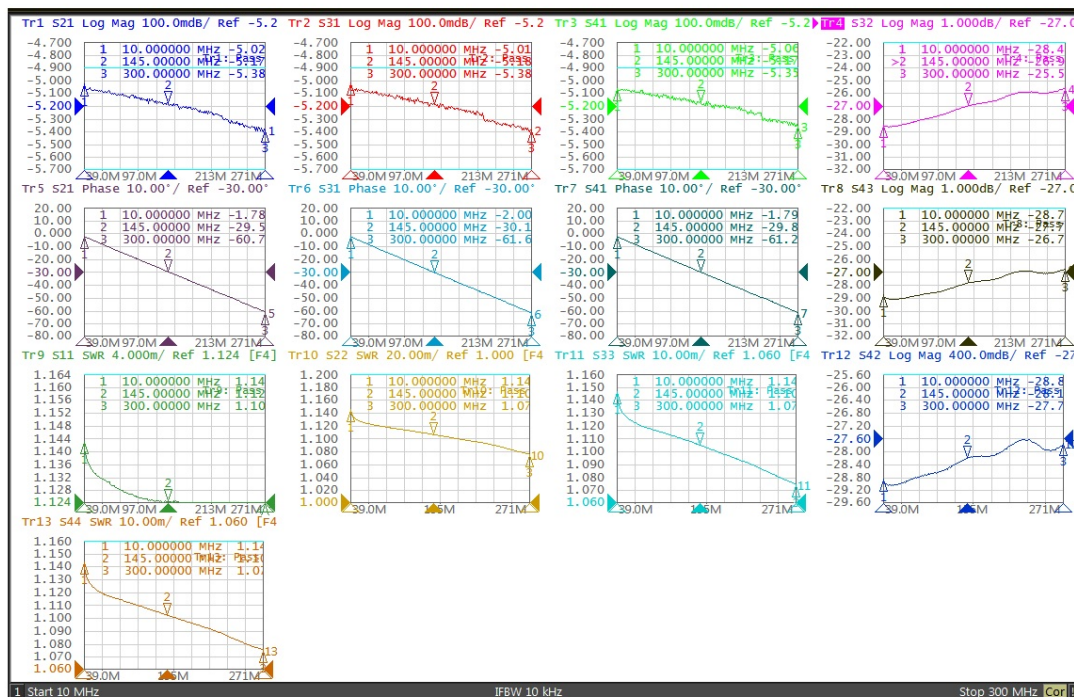
Electrical Specifications: Zo=50 Ohm Pin = 0 dBm

Parameter	Test Conditions	Unit	Min	Typical	Max
Frequency Range	-	MHz	10	~	300
Insertion Loss	10-300MHz	dB	-	0.7	1.2
Amplitude unbalance	10-300MHz	dB	-	0.05	0.6
Phase unbalance	10-300MHz	°	-	0.5	3
Input VSWR	10-300MHz	VSWR	-	1.1	1.3
Output VSWR	10-300MHz	VSWR	-	1.15	1.3
Isolation	10-300MHz	dB	22	26	-

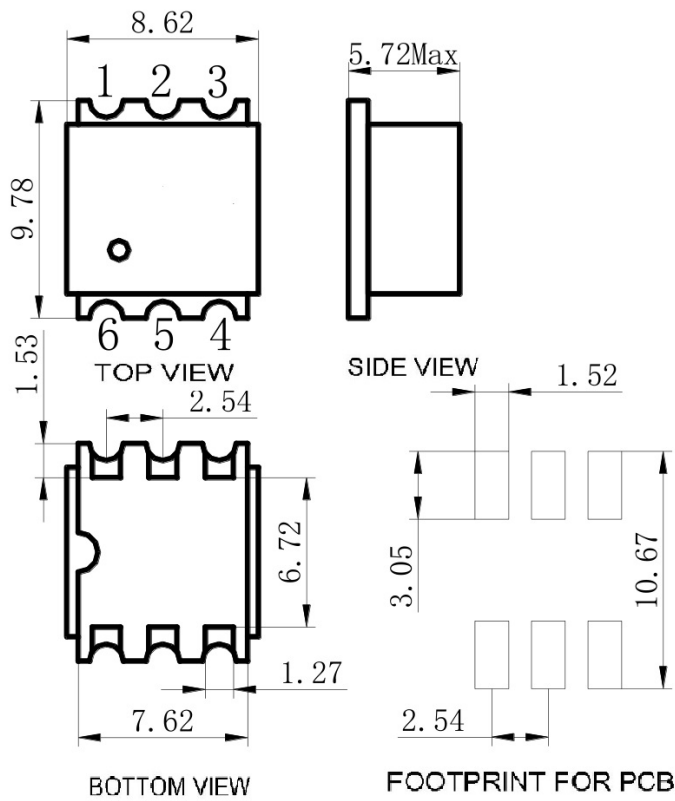
Notes:

- 1: Specifications guaranteed over the operating temperature range.
- 2: Touchstone format sNp file is available on [www.exploremw.com](http://www.exploremw.com).

Typical Performance Curves:



**Mechanical Dimensions:**



**Notes:**

- 1: Dimensions in mm.
- 2: Tolerance  $\pm 0.3$ mm unless otherwise noted.
- 3: 3D model in STEP format is available at [www.exploremw.com](http://www.exploremw.com)