TWOH20400

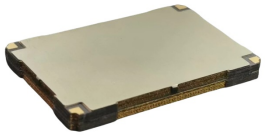
50 dB Coupler

20 ~ 1000MHz

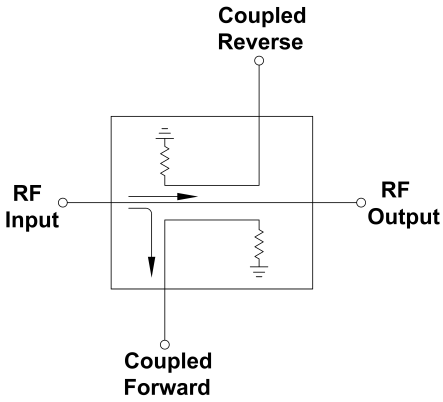
V1

Features:

RoHS Compliant
Tape & Reel
260 Degree Cel SMT Process



Schematic:



Ports Configuration:

Input	**4**
Output	**2**
Coupled Forward	**1**
Coupled Reverse	**3**

Maximum Ratings:

Parameters	Conditions	Unit	Min	Max
RF Power		Watt		300
DC Current		mA		4
Operating Temperature Range		Degree Cel	-55	125
Storage Temperature Range		Degree Cel	-55	125
Moisture Sensitivity Level				1

Ordering Information:

Part Description	Details
TWOH20400	250 per tray
TWOH20400-EVA	Evaluation Board for TWOH20400

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Electrical Specifications: Zo=50 Ohm Pin = 0 dBm

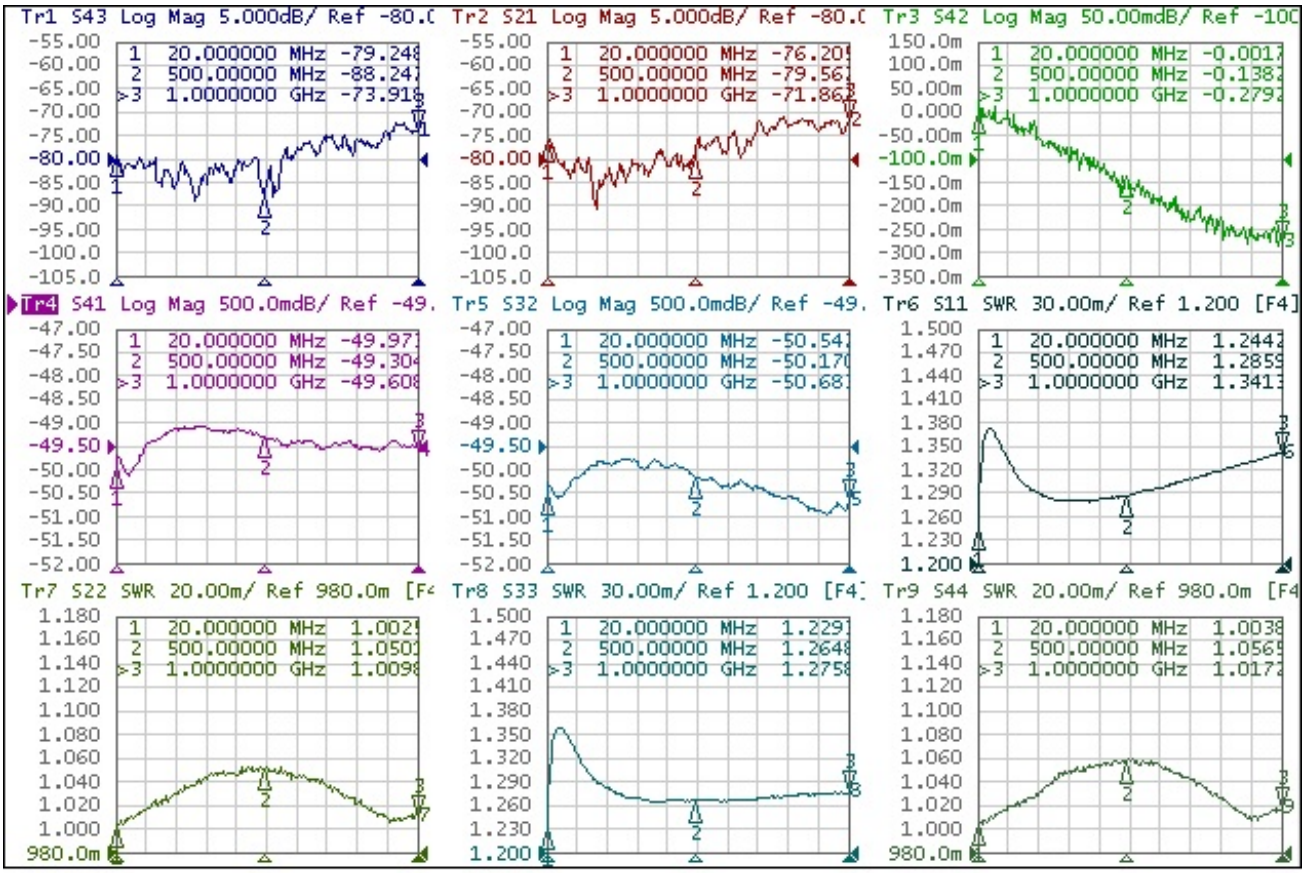
Parameter	Test Conditions	Unit	Min	Typical	Max
Frequency Range	-	MHz	20	~	1000
Insertion Loss	20-1000MHz	dB	-	0.35	0.5
Coupling	20-1000MHz	dB	48.5	50	51.5
VSWR(Main)	20-1000MHz	dB	-	1.05	1.25
VSWR(Coupling)	20-1000MHz	dB	-	1.05	1.5
Directivity	20-1000MHz	dB	20	25	-

Notes:

1: Specifications guaranteed over the operating temperature range.

2: Touchstone format sNp file is available on www.exploremw.com.

Typical Performance Curves:



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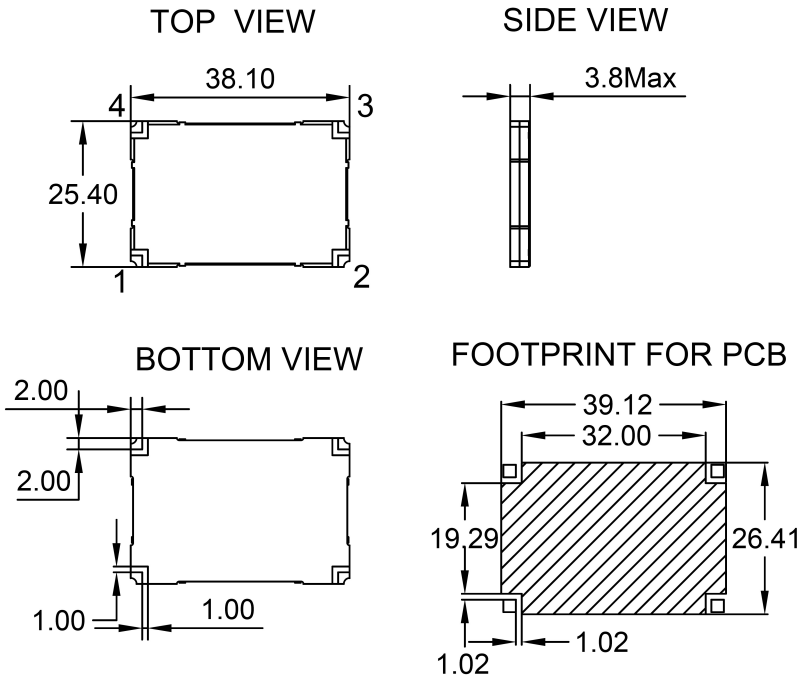
Mechanical Dimensions:



Notes:

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

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