

POWER DIVIDER

2.92mm Resistive Type DC-40GHz

Features

- ✓ LMDS multi-carrier operation
- ✓ Frequency Range:DC-40GHz
- ✓ Low insertion loss
- ✓ High isolation within operational band



Specifications

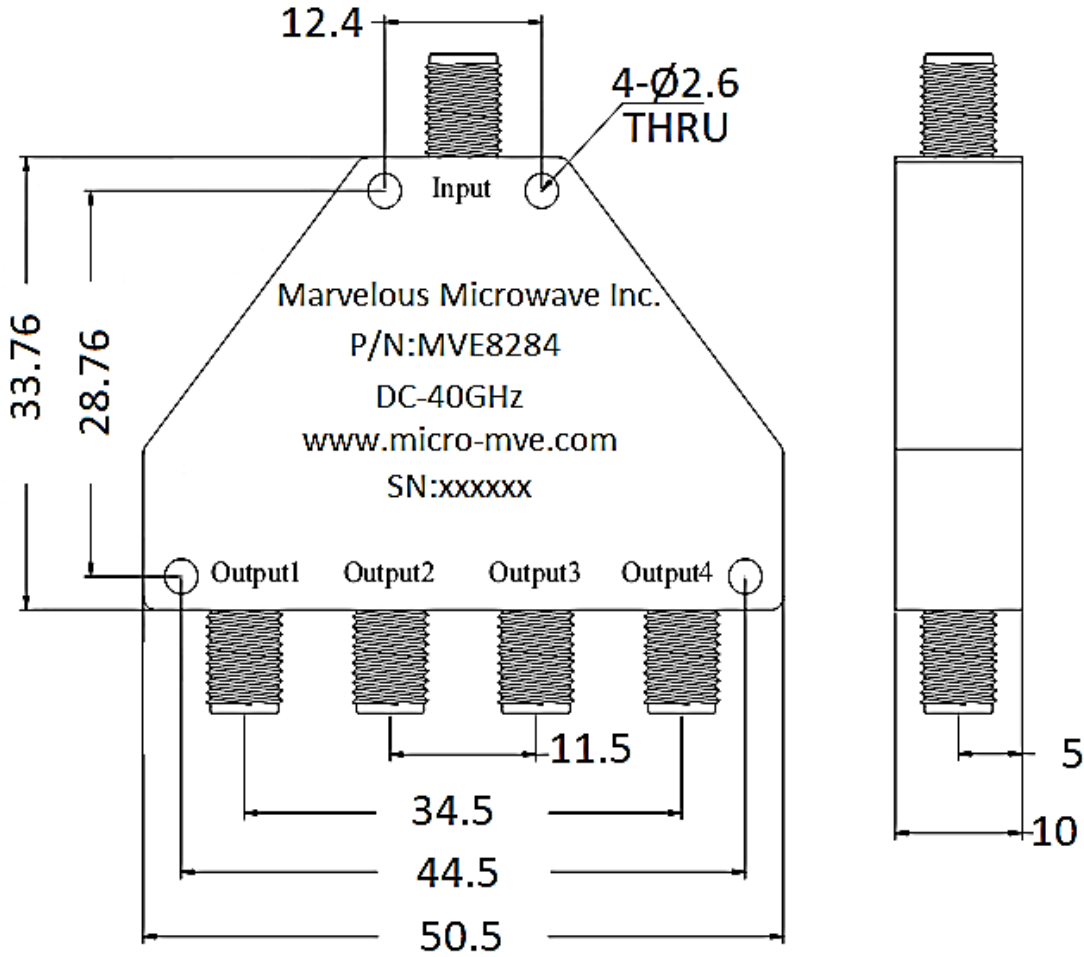
FREQUENCY RANGE: DC-40GHz

CONNECTOR TYPE: 2.92mm Female (INOUT / OUTPUT PORT)

RF CHARACTERISTICS						
PART NUMBER	MVE8284					
	Min.	Typ.	Max.	Min.	Typ.	Max.
FREQUENCY	DC		26.5 GHz	26.5 GHz	40GHz	
INSERTION LOSS		14.5dB	15 dB		14.5 dB	15 dB
ISOLATION	10.5 dB				11 dB	
INPUT VSWR		1.30:1	1.5 0:1		1.70:1	1.90:1
OUTPUT VSWR	2.0 :1		2.50:1		1.80:1	2.50:1
AMPLITUDE UNBALANCE		±0.4 dB	±0.5 dB		±0.5 dB	±0.6 dB
PHASE UNBALANCE	±3 deg.		±5 deg.		±5 deg.	±7 deg.
FORWARD POWER	1W					
PEAK POWER	10W					
MECHANICAL CHARACTERISTICS						
MATERIAL	Aluminum					
FINISHING	Nickel plated					
ENVIRONMENT SPECIFICATIONS						
OPERATIONAL TEMPERATURE	-45°C~+85°C					
STORAGE TEMPERATURE	-50°C~+105°C					
ALTITUDE	30,000 ft. (Epoxy Seal Controlled environment)					
(OPTIONAL)	60,000 ft. 1.0psi min (Hermetically Seal Uncontrolled environment)					
VIBRATION	25g RMS (15 degree 2KHz) endurance, 1 hour per axis					
HUMIDITY	100% RH at 35c, 95% RH at 40°C					
SHOCK	20G for 11msc half sin wave, 3 axis both directions					

Tolerance: X= ±0.25

Outline Drawing (Unit: mm)



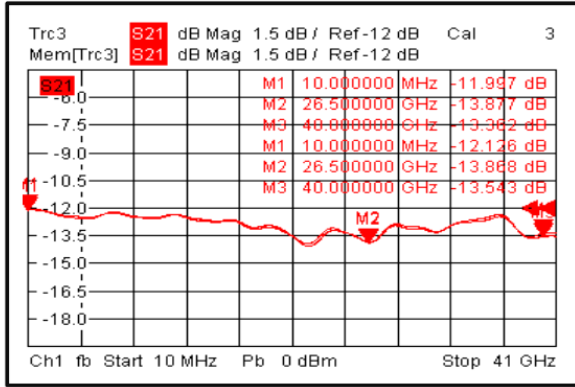
NOTES:

1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
2. CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY

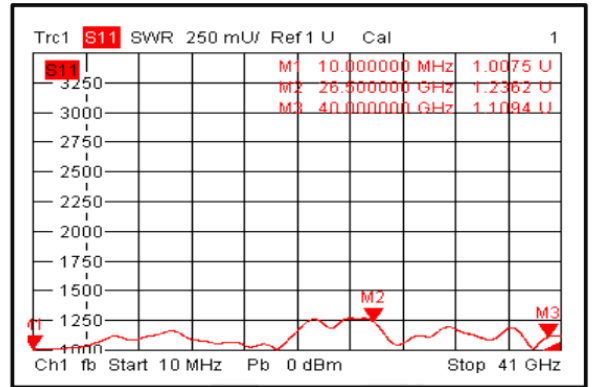


Typical Test Result

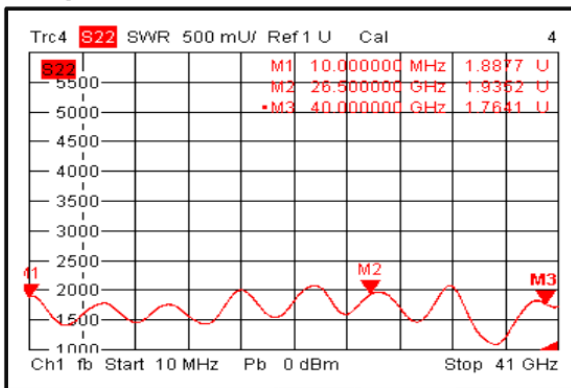
Loss & Amplitude Imbalance



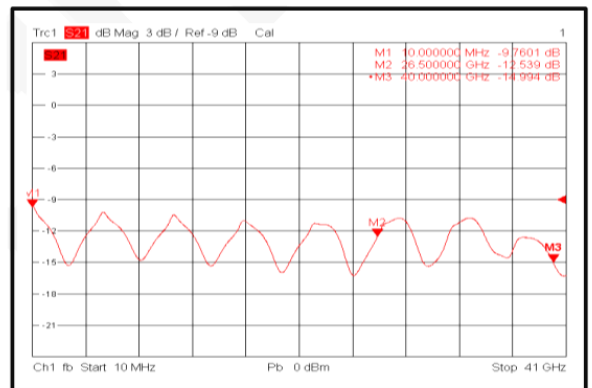
Input VSWR



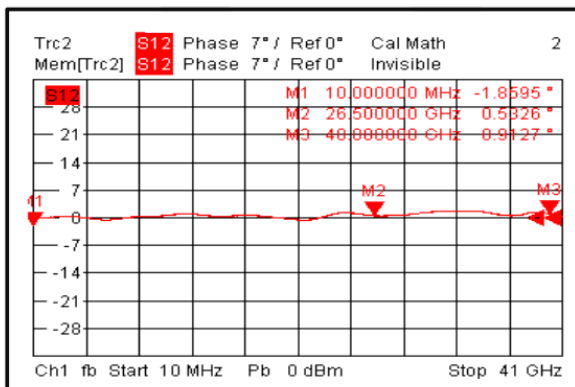
Output VSWR



Isolation



Phase Imbalance



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