0.4 – 7.2 GHz, 20 W, 2-Way SMA Power Divider

PDWS-R407-2

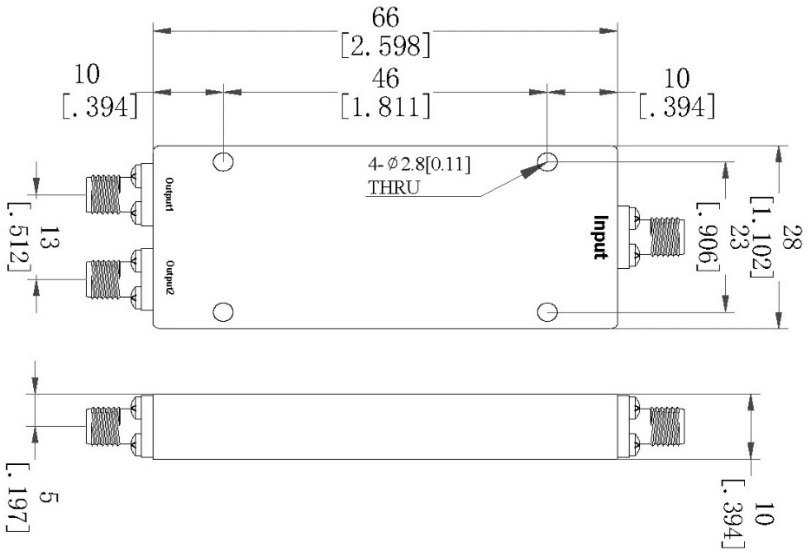
MECHANICAL SPECIFICATIONS		
Input/output interface	SMA	
Gender	Female	
Standard	MIL-STD-348A	
Number of output ports	2	
Weight	~46 g	
ELECTRICAL SPECIFICATIONS		
Impedance	50 Ω	
Frequency range	0.4 – 7.2 GHz	
Input VSWR	≤1.30	
Output VSWR	≤1.20	
Insertion loss	≤1.4 dB (excluding theoretical loss 3 dB)	
Isolation	>18 dB	
Amplitude balance	≤ ±0.2 dB	
Phase balance	≤ ±3°	
Input power (CW)	20 W (as divider) / 1 W (as combiner)	
MATERIAL SPECIFICATIONS		
COMPONENT	**MATERIAL**	**FINISHING**
Housing	Aluminium	Gray paint
Connector body	Stainless steel	Passivated
Connector center pin	BeCu	Gold
ENVIRONMENTAL SPECIFICATIONS		
Temperature range	-45 / +85 °C	
RoHS	Compliant (2011/65/EU | RoHS 3)	
REACH	Compliant (EC 1907/2006)	

KEY FEATURES

- 0.4 to 7.2 GHz band coverage
- Excellent port-to-port balance and isolation
- Robust and compact, industrial-grade design
- 1-year standard warranty

DRAWING

Dimensions (Unit: mm/[inch], Tolerance: ±0.3mm)



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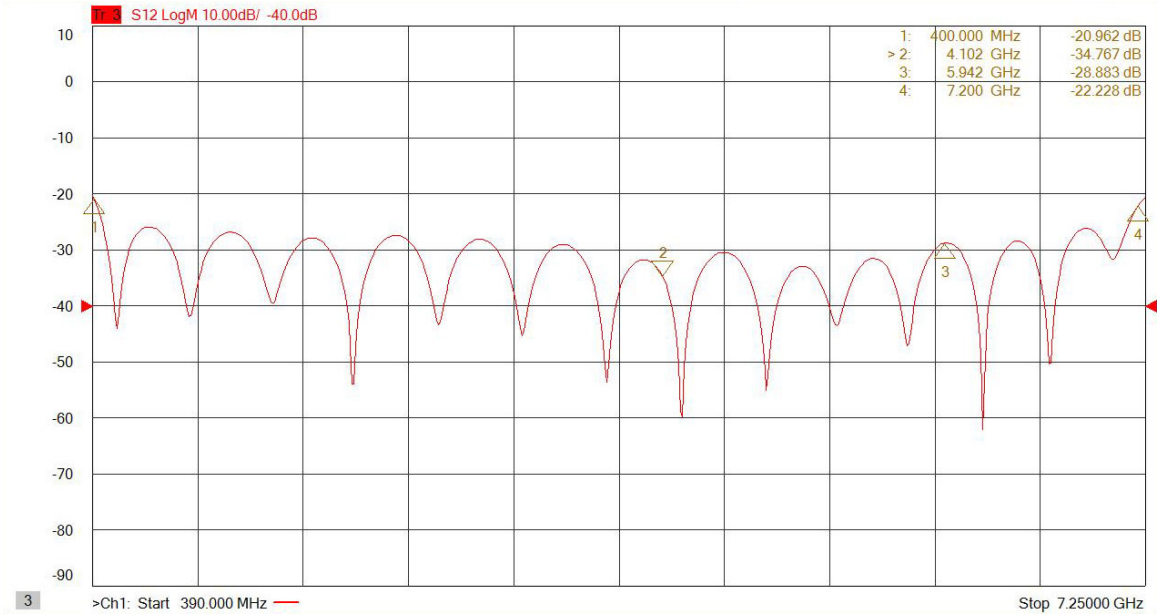
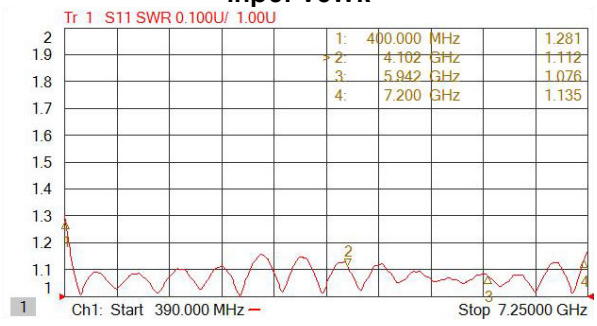
TYPICAL TEST DATA

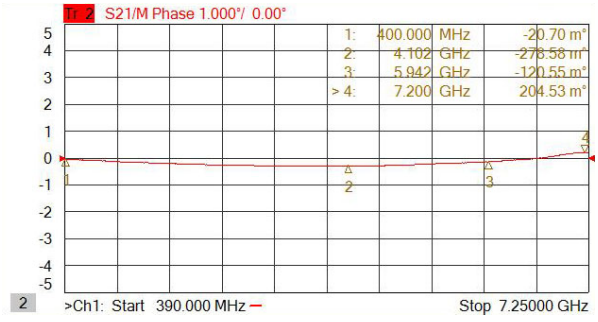
Isolation



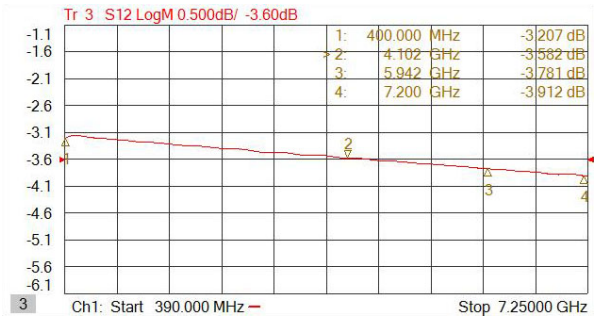
Input VSWR



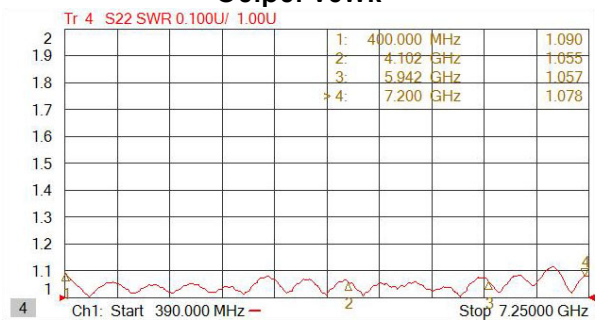
Phase



Insertion Loss



Output VSWR



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