

AWSP4TR-1-20GA

Your RF & Microwave Components Source

Features:

- TTL-Compatible Driver
- Broad Operating Bandwidth
- Rugged Construction.
- Customization Is Available

Specifications

Electrical Specifications, TA = +25° C

Parameters	Min.	Тур.	Max.	Units
Frequency Range	1		20	GHz
Insertion Loss			3.2	dB
VSWR			2	
Isolation	60			dB
Switching Speed			100	nsec
CW RF Power, Operating			30	dBm
Material		Aluminum		
Finish		Gold Plating		
Input /Output Connector	SMA-Female / SMA-Female (Removable)			

^{*} Switching speed is defined as 50% TTL to 90% RF (t-on) and 50% TTL to 10% RF (t-off).

Environmental Specifications

Operational Temperature (°C)	-45 ~ +85	
Storage Temperature (°C)	-55 ~ +125	
Vibration	25g rms (15 degree 2KHz)	
Humidity	100% RH at 35c, 95%RH at	
Humidity	40 deg c	
Shock	20G for 11msc	

DC Bias: +5 V±0.5 V @ 200 mA max -5 V±0.5 V @ 50 mA max

Absolute Maximum Ratings			
Biasing +5 V ,-5V			
TTL Control Voltage	+5V/0V		
Input RF power	+30dBm		
Storage Temperature (°C)	-55 ~ +125		

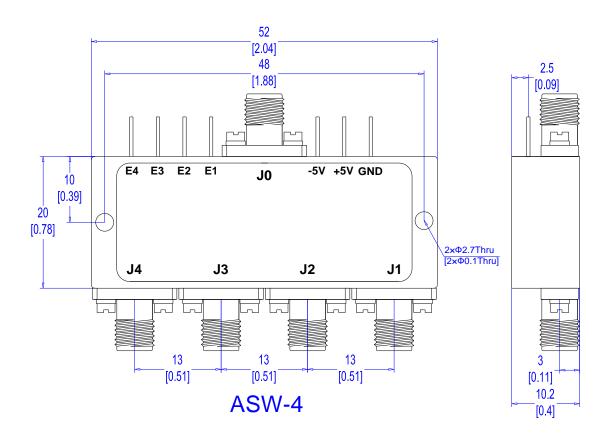
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Amway reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.

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Truth Table

Control Input TTL					
E4	E3	E2	E1	Signal Path State	
1	1	1	0	JO-J1	
1	1	0	1	J0-J2	
1	0	1	1	JO-J3	
0	1	1	1	J 0-J 4	

Outline Drawing:



Dimensions are in MM [inches].

Unless otherwise specified, Outline drawing +/-0.1mm; Hole +/-0.1mm.

MMMAV	TITLE Notes: All SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT			
AMWAV Technology, Ltd.	AWSP4TR-1-20GA	TIME		
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