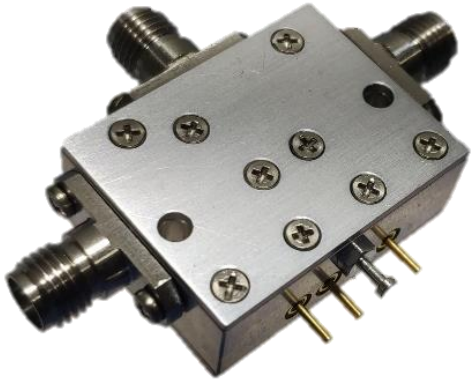
FEATURES:



- Discrete Design Utilizing High Performance Pin Diodes
- Broadband Performance
- Low Loss
- High Isolation
- High Speed
- Field Replacable SMA Connectors
- Internal Regulator
- Reverse Voltage Protection

ELECTRICAL SPECIFICATIONS:

Parameter	Min.	Typ.	Max.	Units
Operating Frequency	2		18	GHz
Impedance		50		Ohms
Input VSWR			2:1	
Output VSWR			2:1	
Insertion Loss (2-10 GHz)			1.6	dB
Insertion Loss (10-18 GHz)			2.2	dB
Isolation (2-10 GHz)	70			dB
Isolation (10-18 GHz)	60			dB
Rise/Fall Time (10% to 90% RF, 90% to 10% RF)		10		ns
ON/OFF Time (50% TTL to 90% RF, 50% TTL to 10% RF)		50		ns
Positive Power Supply (V_{CC})	+4.8	+5	+7	V
Negative Power Supply (V_{EE})	-15	-5	-4.8	V
V_{CC} Current (1 Path OFF)		+50		mA
V_{CC} Current (All Paths OFF)		+100		mA
V_{EE} Current (1 Path ON)		-25		mA
Control Inputs (C1,C2)	TTL / Floating High 0V-0.8V: Low, 2.2V-5V: High			
Switching States	C1-Low, C2-High: J0-J1 “ON”, J0-J2 “OFF” C1-High, C2-Low: J0-J1 “OFF”, J0-J2 “ON” C1-High, C2-High: J0-J1 “OFF”, J0-J2 “OFF”			

*Electrical specifications are given at 25C.

ABSOLUTE MAXIMUM RATING:

Parameter	Min.	Typ.	Max.	Units
Operating RF Input Power, CW			+30	dBm
Operating Case Temperature	-40		+85	°C
Storage Temperature	-55		+125	°C

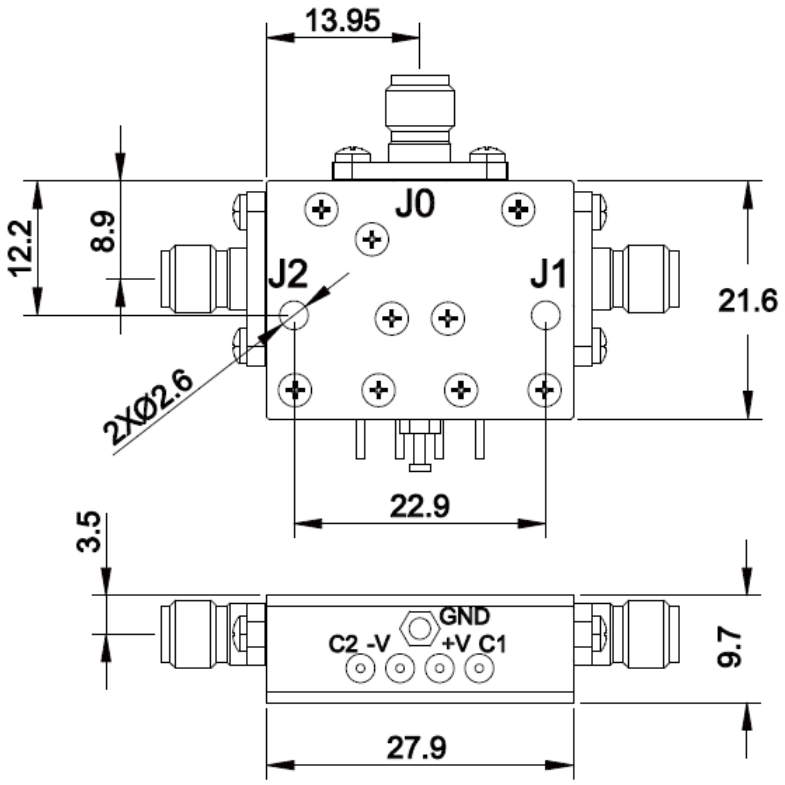
MECHANICAL SPECIFICATIONS:

Parameter	Value	Units
Dimensions (L x W x H)	27.9 x 21.6 x 9.7	mm
Weight	19.7	gr
Material	Aluminum (Nickel Plated)	
RF Connectors: J0,J1,J2	SMA, Female	
Control Connectors: C1,C2	0.03” Feedthrough Pin	

MECHANICAL OUTLINE:

- All dimensions are in mm

- Tolerances: +/- 0.2 mm



REVISION HISTORY:

Rev. No.	Date	Description
P1	17-Feb-2023	Preliminary Release
P2	06-Jun-2023	Added *Mechanical Outline*
P3	13-Jun-2023	Updated *Mechanical Specifications*, *Control Inputs*, *Switching States*
A	03-Jan-2024	Original Release Updated *Electrical Specifications*