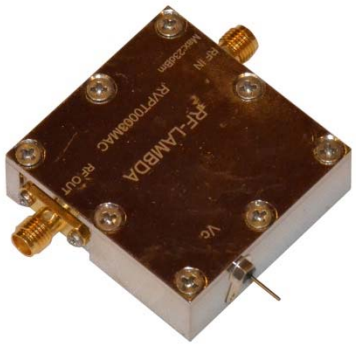
Analog Voltage Control Phase Shifter
70-100MHz 360° Full Band



- frequency band cover 70-100MHz full band
- Minimum 360 degree phase shift range
- Low insertion loss variation
- 0–20V control voltage range
- Low IM3 and High IP3 Performance
- Available in SMD and Coaxial Package
- Lead (Pb)-free and RoHS-compliant
- Temperature Range -55°C~+85°C
- Customization available upon request

Specification	min	typ.	max.	unit
Phase range		360	-	deg
Frequency	70		100	MHz
Insertion loss	-	3	5	dB
Return Loss	-	-10	-7	dB
Control Voltage	0	-	20	V
Input IP3		30		dBm
Modulation Band Width	-	5	-	MHz
Sensivity	-	45	-	deg/Volt
Temp sensitivity	-	0.4	-	deg/°C
Operational Temperature	-40°		85°	deg/°C
Storage Temperature	-55°		100°	deg/°C
Impedance		50		Ω

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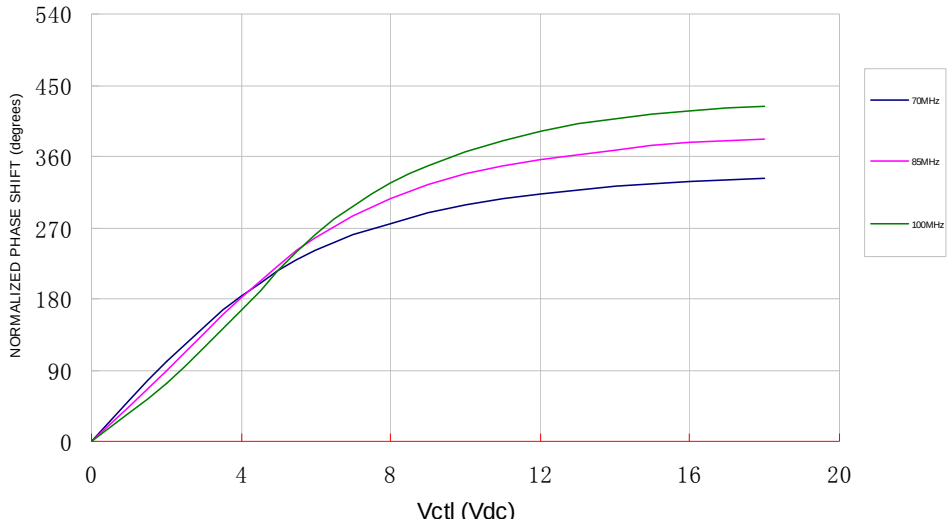
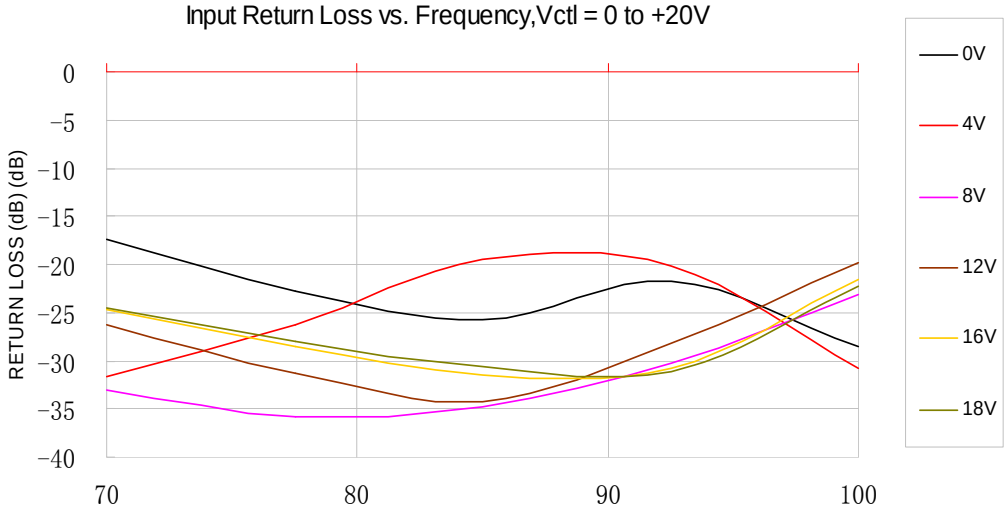
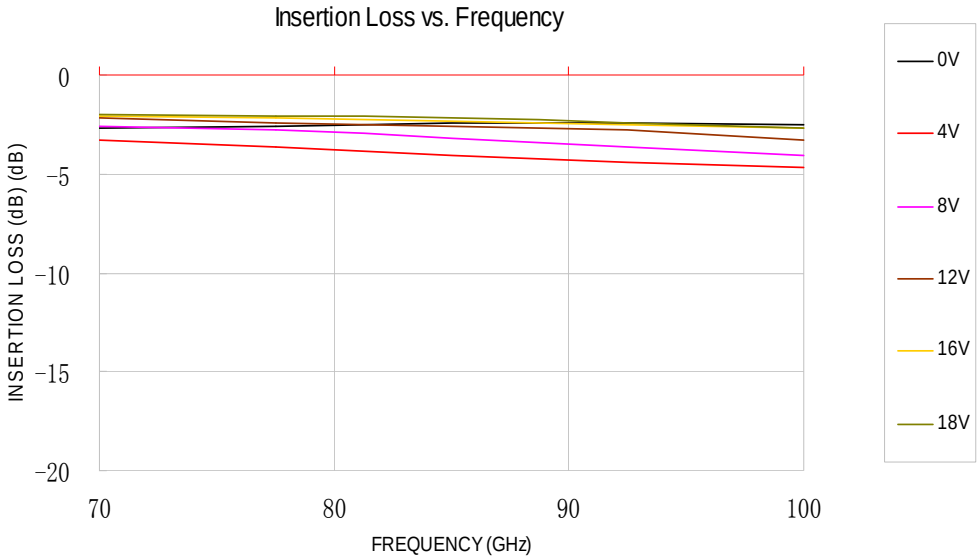
Phase Shift vs. Vctl

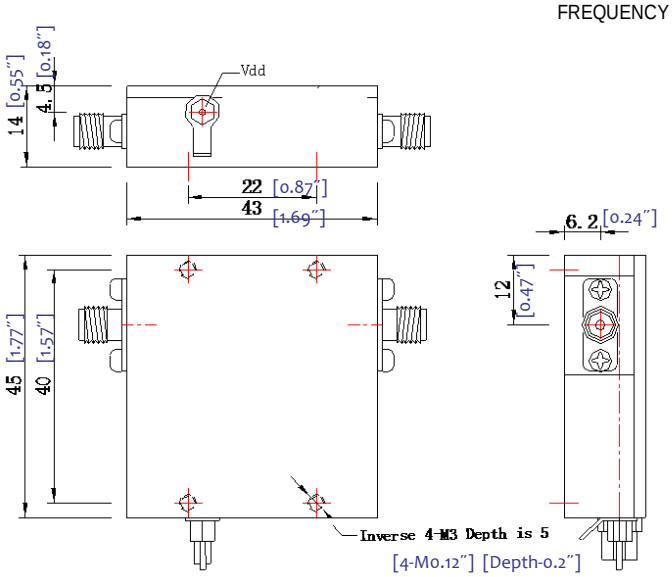


Input Return Loss vs. Frequency,Vctl = 0 to +20V



Output Return Loss vs. Frequency,Vctl = 0 to +20V





CAUTION: *Although this device is designed to be as robust as possible, ESD (Electrostatic Discharge) can damage this device. This device must be protected at all times from ESD. Static charges may easily produce potentials of several kilovolts on the human body or equipment, which can discharge without detection. Industry-standard ESD precautions must be employed at all times.*