



HIGH POWER SWITCHES

The ACC series of High Power T/R diode switches span the frequency range of 5MHz to 6GHz and are available with absorptive output on the RX port and reflective port on the TX side. The switches are available in a wide variety of standard frequency ranges. Each switch incorporates a TTL-compatible driver for convenient system integration and operates from +5V to +12V and -50V to -150V DC power supplies (depending on RF power requirements). All switches incorporate DC blocks at the RF ports. Some switches are also available with hermetic seal and high-rel screening for military and aerospace applications



Frequency Range (MHz)	SWITCHES								Switching Speed (usec max)	RF POWER (W CW)	Outline
	Part Number	Insertion Loss		VSWR		Isolation					
		(dB max) RX Mode	(dB max) TX Mode	(dB max) RX Mode	(dB max) TX Mode	(dB max) RX Mode	(dB max) TX Mode				
5 – 30	ACSW-5508	1.20	1.0	2.00:1	1.50:1	60	20	10	50	A	
5 – 30	ACSW-5509	1.00	1.0	2.00:1	2.00:1	20	20	10	50	A	
20 – 550	ACSW-5548	1.20	1.0	1.50:1	1.50:1	60	20	10	100	A	
30 – 400	ACSW-5424	1.20	1.0	2.00:1	1.50:1	60	20	10	50	A	
225 – 1000	ACSW-5563	0.80	0.6	1.75:1	1.75:1	60	20	10	100	A	
320 – 470	ACSW-5510	0.70	0.5	1.50:1	1.50:1	60	20	10	100	A	
500 – 3000	ACSW-5564	1.50	0.8	1.70:1	1.70:1	58	20	10	100	A	
550 – 2500	ACSW-5549	1.25	0.8	1.50:1	1.50:1	58	20	10	100	A	
2000-6000	ACSW-5578	2.40	1.4	1.50:1	1.50:1	20	60	6	80	B	

NOTES:

DC Bias: +12V +/-0.5V @ 100mA max
 (Standard) -100V +/-3V @ 10mA max
 TTL 0=TX
 TTL 1= RX Mode
 J1=Common
 J2=RX
 J3=Tz

MECHANICAL SPECIFICATIONS:

Case Style:
 Finish: Electroless Nickel MIL-C-26074
 Bias & Control Pins: 9 D SUB Male

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

ENVIRONMENTAL SPECIFICATIONS:

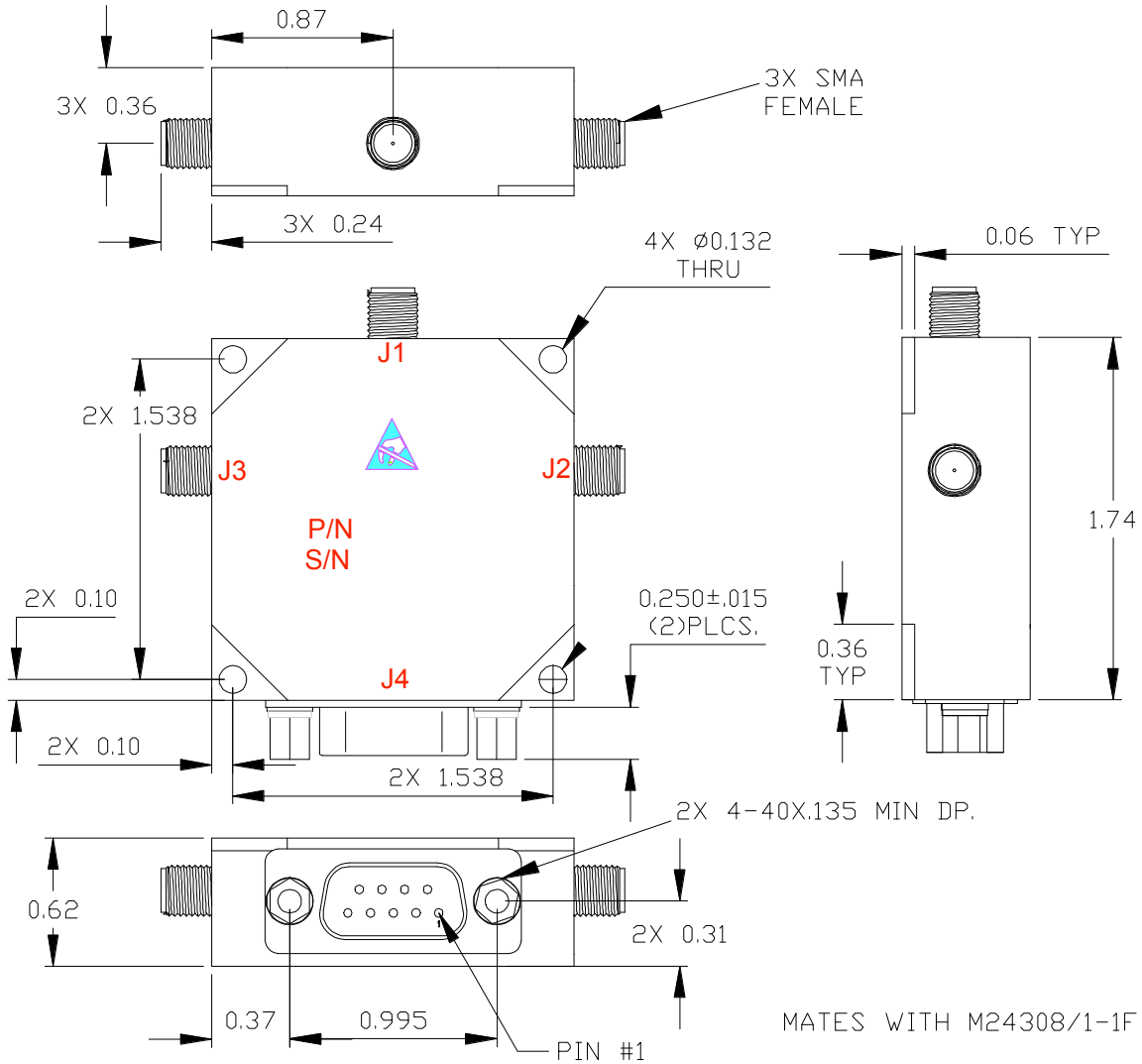
MIL-E-5400, MIL-STD-202, MIL-E-16400
 Operating Temp: -55°C to +85°C
 Storage Temp: -65°C to +125°C
 Humidity: MIL-STD-202F, M103, Cond B leak checked
 Shock: MIL-STD-202F, M213, Cond B
 Altitude: MIL-STD-202F, M105, Cond B
 Vibration: MIL-STD-202F, M204, Cond B
 Thermal Shock: MIL-STD-202F, M107, Cond A
 Temperature Cycle: MIL-STD-202F, M105C, Cond D

SCREENING:

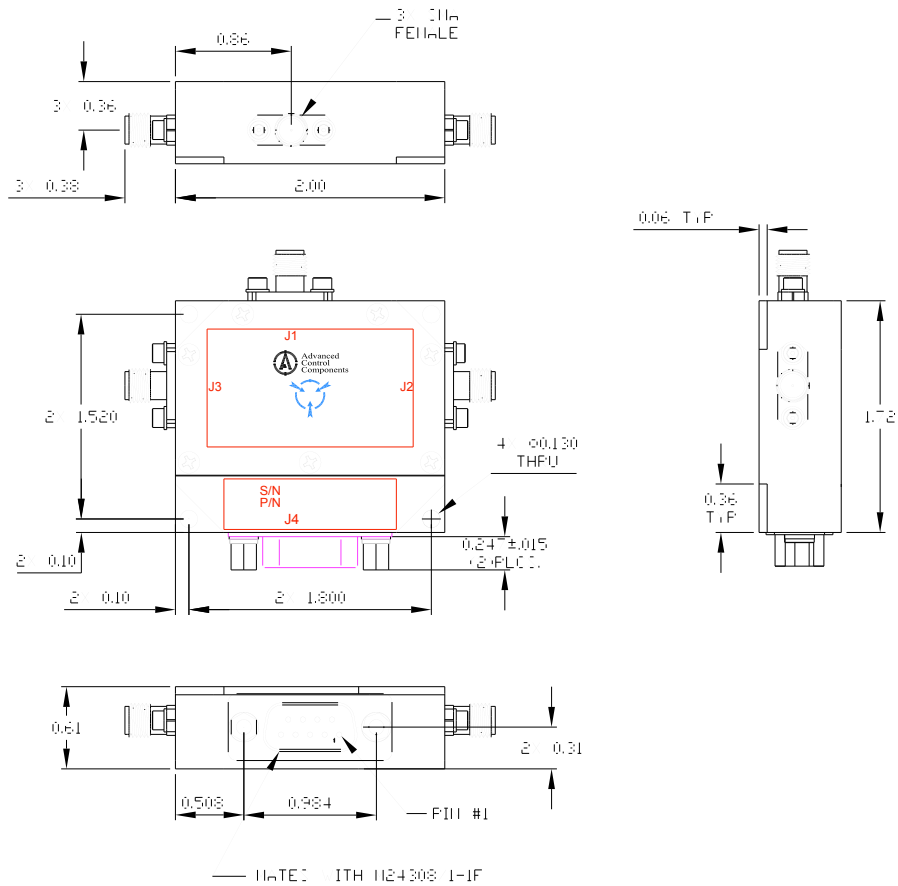
Internal Visual per MIL-STD-883, Method 2017
 Temperature Cycle: -65°C to +100°C, 10 cycles

Optional hermetically-sealed switches are fine and gross per MIL-STD-883, Method 1014.

Optional High-Rel screening available upon request. Contact the factory to discuss your screening requirements.



Outline A



Outline B

PART NUMBER ORDERING INFORMATION:

- Add "-RC" suffix: RoHS-compliant
- Add "-H" suffix: Hermetic seal (does not apply to RoHS-compliant models)

CUSTOM OPTIONS – CONTACT FACTORY:

- Gray epoxy paint per MIL-C-22750
- Video transient suppression
- Various Control Logic (ECL, CMOS, RS-232, etc)
- Phase and amplitude matching
- Other frequency ranges available
- Reversed logic
- High rel screening