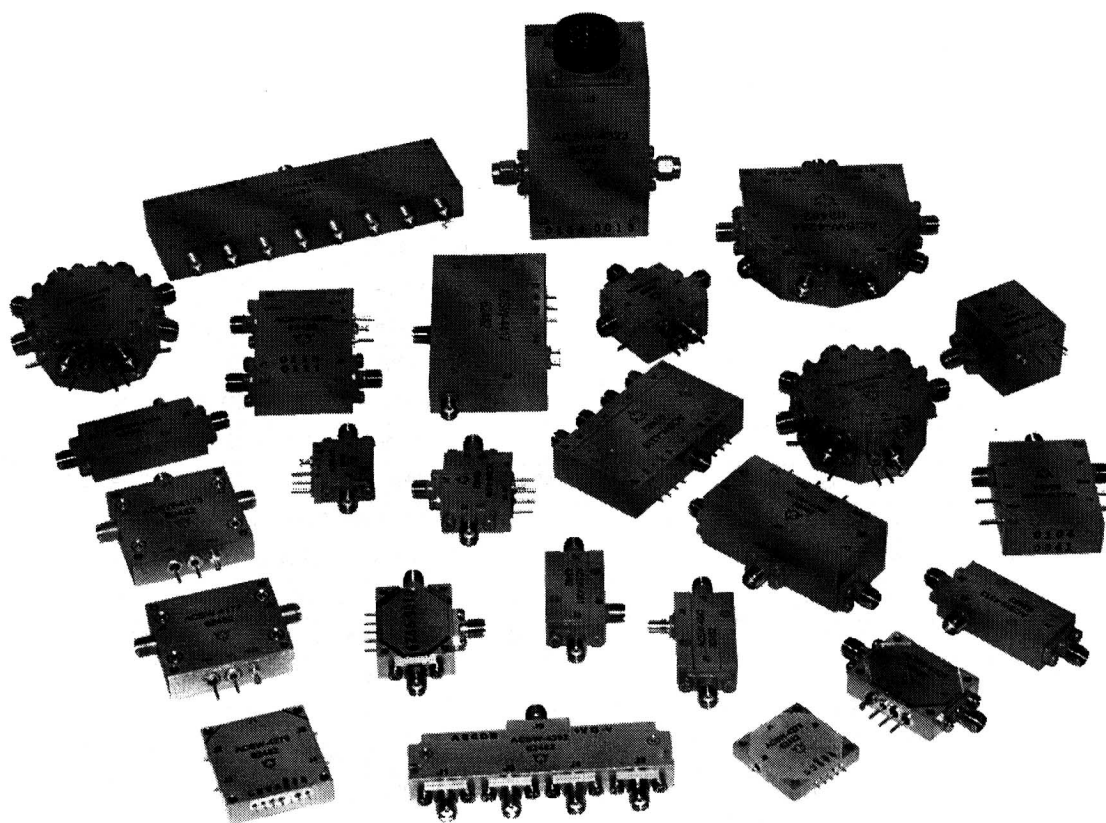




Advanced Control Components' has designed and produced hundreds of custom PIN diode and GaAsFET based switches. Listed below is a sample of some of these custom switches. Detailed specifications are available at our website www.advanced-control.com, by request from the factory or your local sales representative. Contact the factory for custom designs and applications.

Notes:

- All switches incorporate TTL compatible drivers unless otherwise noted.
- All switches incorporate SMA connectors unless otherwise noted.
- All models are available with hermetic seal and high-rel screening.

SPST SWITCHES

Part Number	Frequency Range	Ref/Abs	Notes
ACSW-4177	5 - 100 MHz	A	20nsec SWITCHING SPEED
ACSW-4419	100 - 1000 MHz	R	5W CW
ACSW-4835	1000 - 1500 MHz	A	80dB ISOLATION, 10nsec SWITCHING SPEED
ACSW-4470	1 - 2000 MHz	A	25nsec SWITCHING SPEED, 70dB ISOLATION
ACSW-4309	0.01 - 2 GHz	A	20nsec SWITCHING SPEED, LOW VIDEO TRANSIENTS
ACSW-4243	0.1 - 2 GHz	A	30nsec SWITCHING SPEED
ACSW-4129	1 - 2 GHz	A	50nsec SWITCHING SPEED
ACSW-4137	2.75 - 3.25 GHz	A	10nsec SWITCHING SPEED, SMC CONTROL CONNECTOR
ACSW-4313	0.1 - 4 GHz	R	SMC CONTROL CONNECTOR, NO DRIVER
ACSW-4325	2 - 6 GHz	R	20W CW, 100nsec SWITCHING SPEED

SPST SWITCHES (continued)

Part Number	Frequency Range	Ref/Abs	Notes
ACSW-4119	1 - 8 GHz	R	SMC CONTROL CONNECTOR, NO DRIVER
ACSW-4694	9.5 - 12.5 GHz	R	10W CW
ACSW-4587	13 - 14 GHz	R	3W CW
ACSW-4048	0.01 - 18 GHz	R	.532 CYLINDRICAL MODULE, NO DRIVER
ACSW-4047	0.1 - 18 GHz	R	SMC CONTROL CONNECTOR, NO DRIVER
ACSW-4773	0.1 - 18 GHz	A	LOW LOSS, HIGH ISOLATION
ACSW-4351	0.25 - 18 GHz	R	SMC CONTROL CONNECTOR, NO DRIVER
ACSW-4171	1 - 18 GHz	R	20nsec SWITCHING SPEED
ACSW-4222	2 - 18 GHz	R	17nsec SWITCHING SPEED, ECL DRIVER
ACSW-4669	2 - 18 GHz	R	18nsec SWITCHING SPEED
ACSW-4674	2 - 18 GHz	R	40nsec SWITCHING SPEED, LOW VIDEO TRANSIENTS
ACSW-4682	2 - 18 GHz	R	MINIATURE PACKAGE, DROP-IN OR SMA CONN'S
ACSW-4120	6 - 18 GHz	R	SMC CONTROL CONNECTOR, NO DRIVER
ACSW-4408	7.5 - 18 GHz	R	15nsec SWITCHING SPEED, LOW VIDEO TRANSIENTS
ACSW-4450	8 - 18 GHz	R	MINIATURE PACKAGE, DROP-IN OR SMA CONN'S
ACSW-4255	10 - 20 GHz	A	20nsec SWITCHING SPEED
ACSW-4255R	10 - 20 GHz	R	20nsec SWITCHING SPEED
ACSW-4648	18 - 21.5 GHz	R	DROP-IN OR CONNECTORIZED, NO DRIVER
ACSW-4256	0.25 - 26 GHz	R	20nsec SWITCHING SPEED
ACSW-4469	18 - 26.5 GHz	A	DROP-IN OR CONNECTORIZED

SP2T SWITCHES

Part Number	Frequency Range	Ref/Abs	Notes
ACSW-4178	5 - 100 MHz	A	20nsec SWITCHING SPEED
ACSW-4417	225 - 440 MHz	R	50W CW
ACSW-4889	450 - 470 MHz	R	25W CW
ACSW-4748	20 - 500 MHz	R	10W CW, HERMETIC SEAL
ACSW-4476	20 - 1000 MHz	R	10W CW
ACSW-4248	0.5 - 1 GHz	R	IN-LINE OUTPUTS
ACSW-4337	1.025 - 1.095 GHz	R	10W CW, DROP-IN MODULE
ACSW-4275	0.4 - 2 GHz	R	DROP-IN MODULE
ACSW-4464	0.5 - 2 GHz	R	15nsec SWITCHING SPEED, ECL DRIVER
ACSW-4726	0.8 - 2.5 GHz	R	1W CW
ACSW-4727	0.8 - 2.5 GHz	R	10W CW
ACSW-4471	0.3 - 3 GHz	A	LOW VIDEO TRANSIENTS, SINGLE TTL CONTROL
ACSW-4573	0.9 - 3.4 GHz	R	LOW VIDEO TRANSIENTS
ACSW-4165	0.2 - 4 GHz	R	+5V, +15V DC POWER SUPPLIES
ACSW-4465	2 - 4 GHz	R	15nsec SWITCHING SPEED, ECL DRIVER
ACSW-4563	2 - 4 GHz	A	10W CW
ACSW-4718	2.25 - 4.5 GHz	A	MINIATURE DROP-IN PACKAGE
ACSW-4900	2.2 - 5.75 GHz	A	10W CW

SP2T SWITCHES (continued)

Part Number	Frequency Range	Ref/Abs	Notes
ACSW-4732	DC - 6 GHz	A	LOW LOSS, HIGH ISOLATION
ACSW-4331	5 - 6 GHz	A	DROP-IN MODULE
ACSW-4373	5.6 - 6.2 GHz	A	5nsec SWITCHING SPEED
ACSW-4121	2 - 7.5 GHz	R	30nsec SWITCHING SPEED
ACSW-4327	2 - 7.5 GHz	A	20nsec SWITCHING SPEED, AMPLITUDE/PHASE MATCH
ACSW-4246	5.3 - 7.5 GHz	R	10W CW, AMPLITUDE/PHASE MATCH
ACSW-4577	0.6 - 8 GHz	R	2W CW
ACSW-4463	4 - 8 GHz	R	15nsec SWITCHING SPEED, ECL DRIVER
ACSW-4896	0.1 - 9 GHz	A	2W CW
ACSW-4172	9 - 9.2 GHz	A	LOW VIDEO TRANSIENTS
ACSW-4500	0.1 - 10 GHz	R	3W CW, 10W PEAK
ACSW-4735	0.5 - 12 GHz	A	LOW LOSS, HIGH ISOLATION
ACSW-4165	1 - 18 GHz	R	+5V, +15V DC POWER SUPPLIES
ACSW-4166	1 - 18 GHz	R	20nsec SWITCHING SPEED
ACSW-4334	1 - 18 GHz	A	SINGLE TTL CONTROL
ACSW-4893	1 - 18 GHz	A	10 nsec RISE & FALL TIME
ACSW-4175	2 - 18 GHz	R	LOW VIDEO TRANSIENTS
ACSW-4409	2 - 18 GHz	A	LOW VIDEO TRANSIENTS
ACSW-4629	6 - 18 GHz	A	20nsec SWITCHING SPEED
ACSW-4398	8 - 18 GHz	R	15nsec SWITCHING SPEED, ECL DRIVER
ACSW-4655	0.5 - 18.25 GHz	A	100nsec SWITCHING SPEED
ACSW-4474	0.02 - 20 GHz	A	SOURCE SELECT SWITCH
ACSW-4258	0.3 - 20 GHz	A	20nsec SWITCHING SPEED
ACSW-4852	2 - 20 GHz	R	LOW LOSS, HIGH ISOLATION
ACSW-4886	18 - 40 GHz	R	COMPACT PACKAGE

SP3T SWITCHES

Part Number	Frequency Range	Ref/Abs	Notes
ACSW-4443	1.5 - 50 MHz	A	LOW VIDEO TRANSIENTS
ACSW-4444	50 - 500 MHz	A	LOW VIDEO TRANSIENTS
ACSW-4445	0.5 - 2 GHz	A	LOW VIDEO TRANSIENTS
ACSW-4348	1.5 - 3 GHz	A	DROP-IN MODULE
ACSW-4574	0.9 - 3.4 GHz	R	LOW VIDEO TRANSIENTS
ACSW-4245	5 - 8 GHz	A	IN-LINE OUTPUTS
ACSW-4736	0.5 - 12 GHz	A	LOW LOSS, HIGH ISOLATION
ACSW-4588	13 - 14 GHz	R	3W CW
ACSW-4733	0.02 - 18 GHz	A	LOW LOSS, HIGH ISOLATION FILTER SELECTOR
ACSW-4315	0.5 - 18 GHz	R	50nsec SWITCHING SPEED
ACSW-4167	1 - 18 GHz	R	20nsec SWITCHING SPEED
ACSW-4169	1 - 18 GHz	R	+5V, +15V DC POWER SUPPLIES
ACSW-4894	1 - 18 GHz	A	LOW LOSS, HIGH ISOLATION

SP3T SWITCHES (continued)

Part Number	Frequency Range	Ref/Abs	Notes
ACSW-4581	2 - 18 GHz	A	20nsec SWITCHING SPEED
ACSW-4728	2 - 18 GHz	A	MINIATURE DROP-IN PACKAGE
ACSW-4654	10 - 18.25 GHz	A	100nsec SWITCHING SPEED
ACSW-4071	0.5 - 20 GHz	A	FILTER SELECTOR, LOW VIDEO TRANSIENTS
ACSW-4853	2 - 20 GHz	R	LOW LOSS, HIGH ISOLATION

SP4T SWITCHES

Part Number	Frequency Range	Ref/Abs	Notes
ACSW-4311	0.5 - 2 GHz	A	15nsec SWITCHING SPEED
ACSW-4575	0.9 - 3.4 GHz	R	LOW VIDEO TRANSIENTS
ACSW-4274	0.01 - 4 GHz	A	IN-LINE OUTPUTS
ACSW-4095	0.5 - 6 GHz	A	NO DRIVER
ACSW-4276	2 - 6 GHz	R	DROP-IN MODULE
ACSW-4338	3 - 6 GHz	A	30nsec SWITCHING SPEED, IN-LINE OUTPUTS
ACSW-4538	2 - 7 GHz	A	3W CW
ACSW-4349	6 - 7 GHz	A	DROP-IN MODULE
ACSW-4122	2 - 7.5 GHz	A	30nsec SWITCHING SPEED, IN-LINE OUTPUTS
ACSW-4251	5.3 - 7.5 GHz	R	10W CW, AMPLITUDE/PHASE MATCH
ACSW-4867	0.01 - 8 GHz	A	LOW LOSS, HIGH ISOLATION
ACSW-4411	2 - 8 GHz	R	LOW VIDEO TRANSIENTS, IN-LINE OUTPUTS
ACSW-4249	4 - 8 GHz	R	IN-LINE OUTPUTS
ACSW-4242F	8 - 12 GHz	A	25nsec SWITCHING SPEED
ACSW-4824	0.5 - 18 GHz	A	IN-LINE INPUTS, 2-BIT TTL CONTROL
ACSW-4310	1 - 18 GHz	A	AMPLITUDE/PHASE MATCHED
ACSW-4212	2 - 18 GHz	A	15nsec SWITCHING SPEED
ACSW-4631	2 - 18 GHz	A	100nsec SWITCHING SPEED, IN-LINE OUTPUTS
ACSW-4729	2 - 18 GHz	A	MINIATURE DROP-IN PACKAGE
ACSW-4832	2 - 18 GHz	A	ABSORPTIVE COMMON PORT
ACSW-4412	7.5 - 18 GHz	R	LOW VIDEO TRANSIENTS, IN-LINE OUTPUTS
ACSW-4652	1.75 - 18.25 GHz	A	100nsec SWITCHING SPEED
ACSW-4392	11 - 18.25 GHz	R	20nsec SWITCHING SPEED, IN-LINE OUTPUTS
ACSW-4322	0.1 - 20 GHz	A	NO DRIVER
ACSW-4854	2 - 20 GHz	R	LOW LOSS, HIGH ISOLATION
ACSW-4871	2 - 26.5 GHz	A	LOW LOSS, HIGH ISOLATION

SP5T SWITCHES

Part Number	Frequency Range	Ref/Abs	Notes
ACSW-4426	50 - 70 MHz	R	+5V, +28V DC POWER SUPPLIES
ACSW-4576	0.9 - 3.4 GHz	R	LOW VIDEO TRANSIENTS
ACSW-4868	0.01 - 8 GHz	A	LOW LOSS, HIGH ISOLATION
ACSW-4578	0.6 - 8 GHz	R	2W CW

SP5T SWITCHES (continued)

Part Number	Frequency Range	Ref/Abs	Notes
ACSW-4719	2 - 18 GHz	A	MINIATURE DROP-IN PACKAGE

SP6T SWITCHES

Part Number	Frequency Range	Ref/Abs	Notes
ACSW-4477	0.3 - 200 MHz	A	BNC CONNECTORS, 3-BIT CONTROL LOGIC
ACSW-4812	200 - 500 MHz	A	10W CW
ACSW-4434	20 - 600 MHz	A	+5V POWER SUPPLY
ACSW-4509	800 - 1000 MHz	A	LOW LOSS, HIGH ISOLATION
ACSW-4596	1.7 - 2 GHz	A	5W CW
ACSW-4804	2.4 - 2.5 GHz	A	10W CW
ACSW-4713	0.01 - 3 GHz	A	IN-LINE OUTPUTS
ACSW-4123	2 - 7.5 GHz	R	30nsec SWITCHING SPEED, IN-LINE OUTPUTS
ACSW-4244	5.3 - 7.5 GHz	R	10W CW, AMPLITUDE/PHASE MATCH
ACSW-4757	9 - 10 GHz	A	3 BIT TTL CONTROL
ACSW-4493	8 - 12 GHz	A	LOW LOSS, HIGH ISOLATION
ACSW-4208	0.5 - 18 GHz	A	30nsec SWITCHING SPEED, 1.5" OCTAGON PACKAGE
ACSW-4237	0.5 - 18 GHz	R	FILTER SELECTOR, IN-LINE OUTPUTS
ACSW-4678	0.5 - 18 GHz	A	LOW LOSS, HIGH ISOLATION
ACSW-4483	1 - 18 GHz	A	1.5" OCTAGON PACKAGE
ACSW-4514	2 - 18 GHz	A	LOW LOSS, HIGH ISOLATION
ACSW-4684	2 - 18 GHz	R	1.5" OCTAGON
ACSW-4883	2 - 18 GHz	A	IN-LINE OUTPUTS
ACSW-4545	4 - 18 GHz	A	3 BIT TTL CONTROL
ACSW-4414	7.5 - 18 GHz	A	AMPLITUDE MATCH/LOW VIDEO TRANSIENTS

SP7T SWITCHES

Part Number	Frequency Range	Ref/Abs	Notes
ACSW-4484	0.2 - 4 GHz	A	1.5" OCTAGON PACKAGE
ACSW-4494	8 - 12 GHz	A	IN-LINE OUTPUTS
ACSW-4703	8 - 12.4 GHz	A	1.5" OCTAGON PACKAGE
ACSW-4168	1 - 18 GHz	R	1.5" OCTAGON PACKAGE
ACSW-4702	2 - 18 GHz	A	1.5" OCTAGON PACKAGE

SP8T SWITCHES

Part Number	Frequency Range	Ref/Abs	Notes
ACSW-4671	200 - 500 MHz	A	6W CW
ACSW-4597	1.7 - 2 GHz	A	5W CW
ACSW-4571	0.5 - 2.5 GHz	A	IN-LINE OUTPUTS
ACSW-4831	2.2 - 2.7 GHz	A	10W CW
ACSW-4564	2 - 6 GHz	A	100nsec SWITCHING SPEED, IN-LINE OUTPUTS
ACSW-4123	2 - 7.5 GHz	R	100nsec SWITCHING SPEED, IN-LINE OUTPUTS



SP8T SWITCHES (continued)

Part Number	Frequency Range	Ref/Abs	Notes
ACSW-4643	4 - 8 GHz	A	LOW LOSS, HIGH ISOLATION
ACSW-4495	8 - 12 GHz	A	IN-LINE OUTPUTS
ACSW-4705	0.1 - 18 GHz	A	LOW LOSS, HIGH ISOLATION
ACSW-4663	0.5 - 18 GHz	A	IN-LINE OUTPUTS, 3-BIT LOGIC CONTROL
ACSW-4560	18 - 26 GHz	A	LOW LOSS, HIGH ISOLATION
ACSW-4872	2 - 26.5 GHz	A	LOW LOSS, HIGH ISOLATION

SP9T SWITCHES

Part Number	Frequency Range	Ref/Abs	Notes
ACSW-4583	0.1 - 30 MHz	A	LOW VIDEO TRANSIENTS
ACSW-4556	150 - 2000 MHz	A	LOW VIDEO TRANSIENTS
ACSW-4489	0.1 - 2.1 GHz	A	LOW LOSS, HIGH ISOLATION

SP12T SWITCHES

Part Number	Frequency Range	Ref/Abs	Notes
ACSW-4803	6 - 10 GHz	A	BINARY CONTROL

SP16T SWITCHES

Part Number	Frequency Range	Ref/Abs	Notes
ACSW-4673	1 - 4 GHz	A	LOW LOSS, HIGH ISOLATION
ACSW-4902	2.2 - 5.75 GHz	A	10W CW

SP19T SWITCHES

Part Number	Frequency Range	Ref/Abs	Notes
ACSW-4553	2 - 4 GHz	A	10W CW, 5-BIT CONTROL LOGIC

SP24T SWITCHES

Part Number	Frequency Range	Ref/Abs	Notes
ACSW-4672	0.5 - 4 GHz	A	5-BIT CONTROL LOGIC

TRANSFER SWITCHES

Part Number	Frequency Range	Notes
ACSW-4749	20 - 500 MHz	10W CW
ACSW-4890	1.7 - 1.9 GHz	30W CW
ACSW-4897	0.1 - 9 GHz	10W CW
ACSW-4813	9 - 10 GHz	10W CW
ACSW-4661	0.5 - 18 GHz	LOW LOSS, HIGH ISOLATION
ACSW-4806	6 - 18 GHz	1W CW
ACSW-4544	20 - 24 GHz	LOW LOSS, HIGH ISOLATION
ACSW-4891	18 - 26 GHz	LOW LOSS