



Features

- Frequency range: 20~2000MHz
- High isolation
- Internal TTL driver
- Thin film construction, reflective design
- Operating temperature range: -55°C ~ +85°C

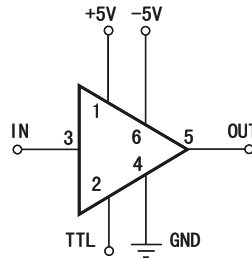
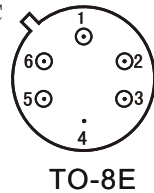
Specifications(measured in a 50 Ω system, $V_{CC}=\pm 5V$, $-55^{\circ}C \leq T_A \leq +85^{\circ}C$)

Parameter	Symbol	Unit	Guaranteed			Typical
			SWST-1A	SWST-1B	SWST-1A	
Insertion loss	IL	dB	(0.02~1.0)GHz	1.2	1.0	
			(1.0~2.0)GHz	2.2	1.6	
			(0.02~1.0)GHz	1.4	1.2	
			(1.0~2.0)GHz	2.5	2.0	
Isolation	Iso	dB	(0.02~1.0)GHz	50	55	
			(1.0~2.0)GHz	45	50	
			(0.02~1.0)GHz	60	65	
			(1.0~2.0)GHz	50	55	
VSWR	VSWR	—	2.0:1		1.6:1	
T_{on} T_{off}	T_{on}	us	0.4 [△]		0.3	

“△” Measured at $T_c=24\pm 1^{\circ}C$

Absolute Maximum Ratings

1 dB compression Input power: +20dBm
Storage Temp: +125°C



Application Notes

1. ESD observe handling precautions. Overtime soldering may cause Permanent damage
2. The high level of TTL control signal should be higher than 3.5V to provide
3. When higher operating frequency and isolation and required, isolation measures should be used between input and output ports to obtain the guaranteed performance
4. The decoupling capacitors(>0.1uF and 10000 pF) are required to filter the interference on the power port
5. See assembly section for mounting method

Typical Performance

