



Features

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

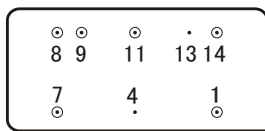
Specifications(measured in a 50 Ω system $V_{cc}=\pm 5V$, $-55^{\circ}C \leq T_A \leq +85^{\circ}C$)

Parameter	Symbol	Unit	Guaranteed	Typical	
Insertion loss	IL	dB	(20~200)MHz	0.8	0.6
			(0.2~1.0)MHz	1.6	1.3
			(1.0~2.0)MHz	2.5	2.3
Isolation	Iso	dB	(20~200)MHz	65.0	70.0
			(0.2~1.0)MHz	60.0	65.0
			(1.0~2.0)MHz	50.0	55.0
Frequency range	$f_L \sim f_H$	MHz	(20~2000)MHz		
VSWR of Input/Output	VSWR	—	2.0:1	1.5:1	
VSWR of Isolation	VSWR _o	—	2.0:1	1.3:1	
$T_{on} T_{off}$	—	us	0.4 [△]	0.3	

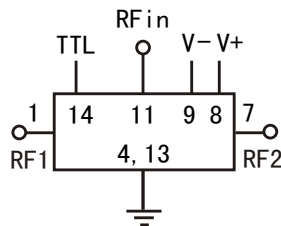
“△” Measured at $T_c=24 \pm 1^{\circ}C$

Absolute Maximum Ratings

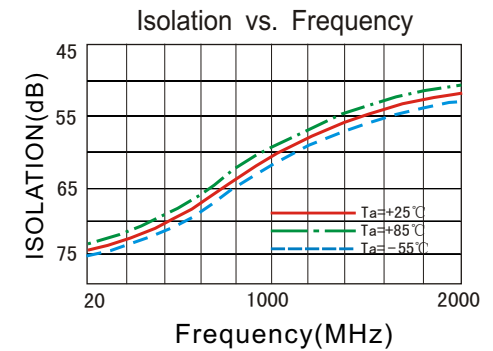
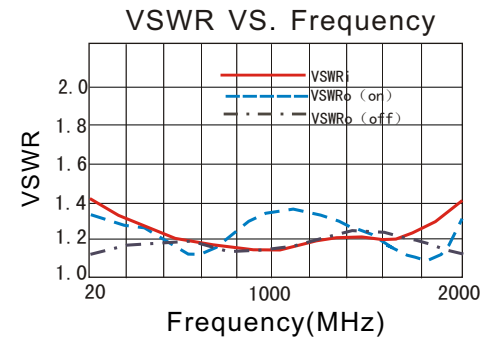
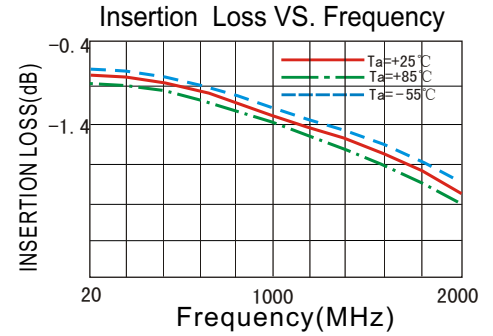
1 dB compression Input power: +18dBm
Storage Temp: +125°C



DIP-14C



Typical Performance



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 and 2~3mA 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 10000pF) are required to filter the interference on the power port

Switching Time

