



**GaAs FET** ( )

Type	Parameter	Description	Frequency (GHz)	Insertion loss (dB)	Isolation (dB)	VSWR_on	VSWR_off	P1dB (dBm)	Switching time (ns)	Control voltage (V)
	NC1615C-112	SPST	DC-12	≤1.0	35*	≤1.4	≤1.8	23*	10	0/-5
	NC1601C-118	SPST	DC-18	≤2.0	60@10GHz 45@18GHz	≤1.5	≤1.5	23*	10	0/-5
	NC1644C-120	SPST	DC-26	≤2.0	45*	≤1.5	≤1.5	23*	10	0/-5
	NC1608C-140	SPST	DC-40	≤1.2	25	≤1.5	≤1.5	-	10	0/-5
	NC1631C-112PD	SPST	0.5-12	1.3*	40*	1.5*	-	27*	-	TTL
	NC1632C-2527PD	SPST	25-27	1.5*	40*	1.5*	1.5*	20*	10	TTL
<i>new</i>	NC16103C-3040	SPST	30-40	≤1.8	≥37	≤2	≤2	-	10	0/-5
<i>new</i>	NC1641C-104PD	SPDT	DC-4	≤0.5	≥28	≤1.3	≤1.3	-	10	TTL
	NC1620C-106	SPDT	DC-6	≤1.2	≥55	1.4*	1.4*	20*	10	0/-5
	NC1643C-106PD	SPDT	DC-6	≤1.3	50*	≤1.5	≤1.5	23*	10	TTL
	NC1628C-112	SPDT	DC-12	≤1.0	≥35	≤1.4	N/A	23*	5	0/-5
	NC1603C-110	SPDT	DC-12	≤1.2	50@3GHz 43@10GHz	≤1.5	N/A	23*	5	0/-5
	NC1602C-118	SPDT	DC-18	≤2.0	60@10GHz 45@18GHz	≤1.5	≤1.5	23*	10	0/-5
	NC1646C-120	SPDT	DC-20	≤2.4	40*	≤1.5	≤1.5	23*	10	0/-5
<i>new</i>	NC1645C-140	SPDT	DC-40	≤3.5	22*	≤1.7	N/A	23*	10	0/-5
	NC1634C-104	SPDT	1-4	0.55*	30*	1.5*	-	28*	-	0/-5
<i>new</i>	NC1635C-120	SPDT	1-20	2.4*	40*	1.4*	1.4*	25*	-	0/-5



## GaAs PIN Switch

Type	Parameter	Description	Frequency (GHz)	Insertion loss (dB)	Isolation (dB)	VSWR _on	VSWR _off	Tolerable power (dBm)	Switching time (ns)	Control voltage (V)
	NC1669C-218	SPST	2-18	≤0.5	≥45	≤1.25	N/A	+33(CW)	20	+5/-5
	NC1666C-1540R	SPST	15-40	≤1.0	40*	≤1.6	N/A	-	20	+5/-5
	NC1671C-2040	SPST	20-40	≤1.0	≥35	≤1.4	N/A	+33(CW)	20	+5/-5
	NC1662C-3036	SPST	30-36	≤0.6	35*	≤1.5	N/A	-	-	+5/-5
<i>new</i>	NC1683C-9096	SPST	90-96	1.8*	25*	2*	N/A	-	20	+5/-5
	NC1663C-206	SPDT	2-6	≤0.7	≥50	≤1.4	N/A	+30(CW)	20	+5/-5
	NC1670C-218	SPDT	2-18	≤1.0	≥50	≤1.5	N/A	+30(CW)	20	+5/-5
	NC1676C-409	SPDT	4-9	0.5*	70*	1.2*	N/A	+30(CW)	20	+5/-5
<i>new</i>	NC1687C-408	SPDT	4.5-7.5	0.6*	45*	1.2*	N/A	+33(CW)	20	+5/-5
	NC1667C-618	SPDT	6-18	0.6*	≥50	≤1.5	N/A	-	20	+5/-5
	NC1668C-812	SPDT	8-12	≤0.6	50*	≤1.4	N/A	-	20	+5/-5
	NC1679C-1220	SPDT	12-20	≤0.8	40*	1.5*	N/A	+33(CW)	20	+5/-5
	NC1677C-1830(R)	SPDT	18-30	≤1.2	≥40	≤1.6	N/A	+33(CW)	20	+5/-5
	NC1672C-2432	SPDT	24-32	≤0.7	≥43	≤1.5	N/A	-	20	+5/-5
	NC1678C-2540(R)	SPDT	25-40	≤1.2	≥45	≤1.7	N/A	+33(CW)	20	+5/-5
	NC1674C-2838	SPDT	28-38	≤0.8	≥38	≤1.5	N/A	+34(CW)	20	+5/-5
	NC1681C-3337R	SPDT	33-37	0.8*	24*	1.5*	N/A	+33(CW)	20	-5/+10
<i>new</i>	NC1686C-3337	SPDT	33-37	1.1*	25*	1.6*	2*	+33(CW)	20	+5/-5
<i>new</i>	NC1684C-9096	SPDT	90-96	2.8*	25*	2*	N/A	-	20	+5/-5
<i>new</i>	NC1685C-507	multifunction switch	5-7	0.6*	33*	1.4*	N/A	+37(CW)	20	+5/-5

Note: \*: Typical specification, R: Reverse logic circuit, All chips above could be provided by the modality of in packages or modules.