

RF Components 2024 Selection Guide



HIGH QUALITY AND RELIABILITY SINCE 1959

RF Switches

Focus Featur	res											LOWES	
Part Number	Туре	Frequency Range [GHz]	Vcontrol [V]	# of Controls	Insertion Loss (dB)	Isolation (dB)	Compression point @ 3V [dBm] 2.5 GHz	Compression point @ 3V [dBm] 6.0 GHz	Control Current (uA)	Switching Speed [ns]	Logic For "ON"	Package Styles	Price Rank
CG2179M2	SPDT	0.05 to 3.0	1.8, 3.0, 5.0	2	0.45 @ 2.5GHz	26 @ 2.5GHz	+30 @ P0.1dB	_	1	50	Low	M2	1
CG2214M6	SPDT	0.05 to 3.0	1.8, 3.0, 5.0	2	0.35 @ 2.5GHz	25 @ 2.5GHz	+30 @ P0.1dB	_	1	50	Low	M6	2
CG2185X2	SPDT	2.0 to 6.0	1.8, 3.0, 5.0	2	0.35 @ 2.5GHz 0.40 @ 6.0GHz	28 @ 2.5GHz 26 @ 6.0GHz	+29 @ P0.1dB	+29 @P0.1dB	2	50	Low	X2	3
CG2415M6	SPDT	0.5 to 6.0	1.8, 3.0, 5.3	2	0.35 @ 2.5GHz 0.45 @ 6.0GHz	32 @ 2.5GHz 26 @ 6.0GHz	+31 @ P0.1dB	+31 @ P0.1dB	5	100	High	М6	4
CG2163X3	SPDT	2.4 to 2.5 4.9 to 6.0	1.8, 3.0, 5.0	2	0.40 @ 2.5GHz 0.50 @ 6.0GHz	40 @ 2.5GHz 31 @ 6.0GHz	+33 @ P1.0dB	+32 @ P1.0dB	2	80	High	Х3	5
CG2164X3	DPDT	0.05 to 6.0	1.8, 3.0, 5.0	2	0.50 @ 2.5GHz 0.60 @ 6.0GHz	23 @ 2.5GHz 15 @ 6.0GHz	+32 @ P0.5dB	+30 @ P0.5dB	2	30	Low	Х3	6
CG2430X1	SP3T	0.1 to 6.0	1.8, 3.0, 5.0	3	0.50 @ 2.5GHz 0.60 @ 6.0GHz	28 @ 2.5GHz 25 @ 6.0GHz	+28 @ P0.1dB	+28 @ P0.1dB	2	80	High	X1	7
CG2409M2	SPDT	0.05 to 3.8	1.8, 3.0, 5.0	2	0.42 @ 2.5GHz	30 @ 2.5GHz	+36.5 @ P0.1dB	_	7	100	High	M2	7
CG2409X3	SPDT	0.05 to 6.0	1.8, 3.0, 5.0	2	0.40 @ 2.5GHz 0.55 @ 6.0GHz	32 @ 2.5GHz 34 @ 6.0GHz	+37.5 @ P0.1dB	+37.5 @ P0.1dB	7	100	High	Х3	7
CG2176X3	Absorptive SPDT	2.3 to 2.7 3.3 to 3.8 4.9 to 5.85	1.8, 3.0, 5.0	2	0.45 @ 2.5GHz 0.55 @ 5.8GHz	30 @ 2.5GHz 22 @ 5.8GHz	+37.5 @ P0.5dB	+37.5 @ P0.5dB	16	100	High	Х3	8

Package Styles and Dimensions (mm)











RF pHEMTs (GaAs FETs)

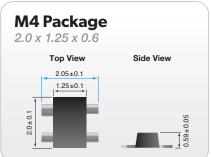
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Focus Features	J		4	TO HIGHEST	

Part	Test	NF/G	Bias	NF	GA	Ipss	Package	Price Rank
Number	Frequency (GHz)	Vos (V)	IDS [mA]	(dB)	(dB)	[mA]	Styles	
CE3514M4	12	2.0	10	0.42	12.2	47.5	M4	1
CE3512K2	12	2.0	10	0.30	13.7	47	K2	2
CE3521M4	20	2.0	10	0.70	11.9	40	M4	3*
CE3520K3	20	2.0	10	0.55 **	13.8	40	K3	4
CE3524K3	24	2.0	10	0.84	13.4	40	K3	5

^{*} Lowest price 20GHz device

Package Styles and Dimensions (mm)





CEL ADVANTAGES









^{**} Best NF 20GHz device





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