



SPDT Dual Control Switches

Fig.	Package	Control Voltages (V)	Insertion Loss (dB)	Isolation @ 2GHz (dB)	Digi-Key Part No.	1	Pricing 10	50
3	6-Super Mini-Mold	2.6/0	0.40 @ 2GHz	19	UPG2155TB-A-ND	1.22	10.16	47.43
6	6-TSON	2.7/0	0.45	19	UPG2158T5K-A-ND	.94	7.80	36.42

Switches



B

Fig.	Package	Control Voltages (V)	Insertion Loss (dB)	Isolation @ 2GHz (dB)	Input Power @ 0.1dB (dBm)	Input Power @ 1dB (dBm)	Digi-Key Part No.	1	Pricing 10	50	Digi-Key Part No.	Tape & Reel Pricing 5,000
SPDT Single Control Switches — RoHS Compliant												
3	6-Super Mini-Mold	2.8/0	0.3 @ 2GHz	28	33	33	UPG2010TB-A-ND	1.74	14.52	67.76	—	—
	6-Super Mini-Mold	2.8/0	0.3 @ 2GHz	28	20.5	24	UPG2012TB-A-ND	.89	7.44	34.72	—	—
	6 Mini-Mold	2.8/0	0.3 @ 2GHz	30	20.5	24	UPG2012TK-A-ND	.96	7.99	37.27	—	—
	6-Super Mini-Mold	2.8/0	0.3 @ 2GHz	27	27	30	UPG2015TB-A-ND	1.09	9.08	42.35	—	—
	6 Mini-Mold	2.8/0	0.8 @ 2GHz	25	17	21	UPD5713TK-E2-ACT-ND†	.36	3.00	13.98	UPD5713TK-E2-ATR-ND	180.05/M
Evaluation Board for UPD5713TK-E2-ATR-ND							UPD5713TK-EVAL-A-ND	87.12	—	—	—	—
SPDT Dual Control Switches — RoHS Compliant												
3	6-Super Mini-Mold	2.8/0	0.3 @ 2GHz	28	34	36	UPG2009TB-A-ND	1.50	12.52	58.44	—	—
	6-Super Mini-Mold	3.0/0	0.3 @ 2GHz	27	29	32	UPG2179TB-A-ND	.96	7.99	37.27	—	—
	6-Super Mini-Mold	3.0/0	0.3 @ 2GHz	27	27	20 (1.8V), 27 (3V)	UPG2214TB-A-ND	.68	5.63	26.26	—	—
	6 Mini-Mold	3.0/0	0.3 @ 2GHz	27	27	20 (1.8V), 27 (3V)	UPG2214TK-A-ND	.85	7.08	33.03	—	—
Evaluation Board for UPG2214TK-A-ND							UPG2214TK-EVAL-A-ND	123.42	—	—	—	—
Multi-Throw Switches — RoHS Compliant												
7	10-TSON	2.8/0	0.55 @ 2GHz	21	33	34	UPG2031TQ-A-ND	2.16	19.44	91.80	—	—
Broadband Switches to 6GHz												
3	6-Super Mini-Mold	2.8/0	0.9 @ 5.8GHz	18 @ 5.85GHz	31	33	UPG2022TB-A-ND◆	1.63	13.61	63.53	—	—
	6-TSON	3.0/0	0.4 @ 2.5GHz, 0.5 @ 6GHz	35 @ 2.5GHz, 0.5 @ 6GHz	—	35 @ 2.5GHz, 29 @ 6GHz	UPG2163T5N-A-ND◆	.98	8.17	38.12	—	—
—	12-QFN	3.0/0	0.6 @ 3.5GHz	25 @ 3.5GHz	—	>37	UPG2157T5F-A-ND◆	1.52	12.71	59.29	—	—
Evaluation Board for UPG2157T5F-A-ND							UPG2157T5F-EVAL-A-ND◆	145.20	—	—	—	—
Evaluation Board for UPG2163T5N-A-ND							UPG2163T5N-EVAL-ND	87.12	—	—	—	—

◆ RoHS Compliant † Cut Tape

Frequency Down Converters



Fig.	Package	RF Input Frequency Range Typical (MHz)	IF Output Frequency Range Typical (MHz)	Vcc (V)	Icc (mA)	Conversion Gain (dB)	Digi-Key Part No.	1	Pricing 10	50
3	SOT-363	100 - 2000	0 - 300	3	6.0	14.0	UPC2756TB-A-ND	2.03	18.30	86.39
			20 - 300	3	5.6	13.0	UPC2757TB-A-ND	1.60	14.37	67.88
			20 - 300	3	11.0	17.0	UPC2758TB-A-ND	1.60	14.37	67.88

Frequency Up Converters



Fig.	Package	IF Input Frequency Range Typical (MHz)	RF Output Frequency Range Typical (MHz)	Vcc (V)	Icc (mA)	Conversion Gain (dB)	Digi-Key Part No.	1	Pricing 10	50
3	6-Super Mini-Mold	50 - 400	800 - 2500	3.0	9.0	8.5	UPC8172TB-A-ND	1.61	13.43	62.68
				2.8	15.0	11.0	UPC8187TB-A-ND	2.00	17.97	84.85

Silicon MMIC Prescalers



Fig.	Package	f _{in} (GHz)		Pin (dBm)		Vcc (V)	Icc Typ. (mA)	Divide Ratio	Digi-Key Part No.	1	Cut Tape Pricing		Digi-Key Part No.	Tape & Reel Pricing 1,000
		Min.	Max.	Min.	Max.						10	50		
8	8-SSOP	0.5	1	-20	-5	3	5	2/4/8	UPB1509GV-ACT-ND	1.91	17.16	80.99	UPB1509GV-ATR-ND	990.99
		0.5	3	-10	+6	5	10	2	UPB1508GV-ACT-ND	1.91	17.16	80.99	UPB1508GV-ATR-ND	990.99
		0.5	3	-10	+6	5	15	4	UPB1510GV-ACT-ND	1.63	14.70	69.43	UPB1510GV-ATR-ND	849.42
		0.5	3	-15	+6	5	19	64/128/256	UPB1507GV-ACT-ND	1.63	14.70	69.43	UPB1507GV-ATR-ND	849.42

Silicon LD Mosfets



Fig.	Pout Typical (dBm)	Linear Gain Typical (dB)	Test Frequency (GHz)	Pin (dBm)	VDS (V)	ID Typical (A)	Digi-Key Part No.	1	Pricing 10	50
5	32.0	10	1.8	25	3.2	0.8	NE5520279A-A-ND	6.48	58.32	275.38
	35.5	16	0.915	25	3.2	1.0	NE5520379A-A-ND	6.19	55.71	263.04
	40.0	15	0.9	27	7.5	2.75	NE5511279A-A-ND	10.19	91.64	432.74

(Continued)

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

534 (UK091) Free shipping on orders over £50! All prices are in British pound sterling and include duties. uk.digikey.com — FREEPHONE: 0-800-587-0991 • 0-800-904-7786 — FREEFAX: 0-800-587-0992 • 0-800-904-7783