

In-Phase Power Divider/Combiner Selection Guide

Product Number	Model Number	Frequency Range (MHz)	Package Style	Insertion Loss (dB)	Typical Midband Performance			Phase Balance (°)
					Isolation (dB)	VSWR	Amp. Bal. (dB)	
2 Way Dividers/Combiners								
▲ 91	PS-2-250T	5-250	Metal TO-5	.3	40	1.2	.1	.5
92	PS-2-500F	10-500	Metal Flatpack	.3	35	1.2	.1	.5
93	PS-2-1000F	5-1000	Metal Flatpack	.3	35	1.2	.1	1
94	PS-2-1000S	5-1000	Metal, SMA Connector	.3	35	1.2	.1	1
95	PS-2-2000F	5-2000	Metal Flatpack	.4	25	1.3	.2	2
96	PS-2-2000S	5-2000	Metal, SMA Connector	.4	30	1.3	.2	2
▲ 97	PS-2-4000F	20-4000	Subminiature Metal Flatpack	.4	25	1.3	.2	2
3 Way Dividers/Combiners								
98	PS-3-500F	1-500	Metal Flatpack	.3	30	1.3	.1	1
99	PS-3-500S	25-550	Metal, SMA Connector	.3	30	1.3	.1	1
▲ 100	PS-3-1000F	10-1000	Metal Flatpack	.4	30	1.3	.1	1
101	PS-3-1000S	25-1000	Metal, SMA Connector	.3	30	1.3	.1	1
4 Way Dividers/Combiners								
102	PS-4-500F	5-500	Metal Flatpack	.3	30	1.3	.1	1
▲ 103	PS-4-1000F	25-1000	Metal Flatpack	.5	25	1.5	.1	2
104	PS-4-1000S	10-1000	Metal, SMA Connector	.3	30	1.3	.3	3
6 Way Dividers/Combiners								
105	PS-6-350F	1-350	Metal Flatpack	.75	32	1.3	.3	8

Solid State Switches Selection Guide

Product Number	Model Number	Function	Frequency Range (MHz)	Typical T_r, T_f (usec) Style	Package Style	Typical Midband Performance		
						Insertion Loss (dB)	Isolation (dB)	VSWR
106	SS-23	SPST	5-500	.01	Plastic, 6 Pin PC Mount	2.0	60	1.5:1
107	SS-30	SPST	5-500	.01	Metal, BNC Connectorized	2.0	75	1.3:1
108	SS-50	SPST	1-200	.01	Metal, 6 Pin PC Mount	1.5	65	1.3:1
109	SS-80	SPST	1-300	.01	Metal, Flatpack	2.0	70	1.3:1
110	SS-91	SPST	10-500	.01	Metal, Flatpack	2.0	70	1.3:1
111	SS-92	SPST	100-1000	.01	Metal, Flatpack	2.0	55	1.3:1
112	VS-19	SPDT	50-500	1	14 Pin Metal Dip	.75	60	1.25:1
113	VS-20	SPDT	5-500	1	14 Pin Metal Dip	.75	60	1.25:1
114	VS-21	SPDT	5-500	1	14 Pin Metal Dip	.75	60	1.25:1
115	VS-22	SPDT	5-500	1	14 Pin Metal Dip	.5	60	1.25:1
116	VS-23	SPDT	10-400	.14	14 Pin Metal Dip	.5	45	1.25:1
117	VS-25	SPDT	50-500	1	14 Pin Metal Dip	.5	55	1.25:1
118	VS-100	SPDT	2-500	.005	14 Pin Metal 1.5 Dip	.75	40	1.3:1
119	VS-101-S	SPDT	2-500	.005	Connectorized	.75	40	1.3:1

NOTES:

- Schottky Types, SS-23 to SS-92 are .1 watt balanced reflective switches, 3rd order intercept point +23 to +30 dBm.
- Pin Types, VS-19 to VS-101S are 1 watt non-reflective (internally terminated) switches with +35 dBm to +40 dBm 3rd order intercept points (on condition). These types are all supplied with an internal TTL or CMOS compatible driver. Consult Factory for details.



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<p>NAME _____</p> <p>TITLE _____</p> <p>COMPANY _____</p> <p>ADDRESS _____</p> <p>CITY / STATE / ZIP _____</p> <p>PHONE _____ FAX _____</p> <p>PROGRAM/APPLICATION _____</p> <p>POTENTIAL _____</p> <p>CLOSEST EQUIVALENT _____</p> <p>SPECIAL REQUIREMENTS _____</p>	<p>CIRCLE THE PRODUCT NUMBERS YOU ARE INTERESTED IN</p> <p>1 18 35 52 69 86 103 120 137 154 171</p> <p>2 19 36 53 70 87 104 121 138 155 172</p> <p>3 20 37 54 71 88 105 122 139 156 173</p> <p>4 21 38 55 72 89 106 123 140 157 174</p> <p>5 22 39 56 73 90 107 124 141 158</p> <p>6 23 40 57 74 91 108 125 142 159</p> <p>7 24 41 58 75 92 109 126 143 160</p> <p>8 25 42 59 76 93 110 127 144 161</p> <p>9 26 43 60 77 94 111 128 145 162</p> <p>10 27 44 61 78 95 112 129 146 163</p> <p>11 28 45 62 79 96 113 130 147 164</p> <p>12 29 46 63 80 97 114 131 148 165</p> <p>13 30 47 64 81 98 115 132 149 166</p> <p>14 31 48 65 82 99 116 133 150 167</p> <p>15 32 49 66 83 100 117 134 151 168</p> <p>16 33 50 67 84 101 118 135 152 169</p> <p>17 34 51 68 85 102 119 136 153 170</p>
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