

# POWER DIVIDERS

## 0° : 3-WAY

### LEADED SURFACE-MOUNT



FREQUENCY RANGE (MHz)	ISOLATION (dB)			INSERTION LOSS (dB)			PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)			PACKAGE	PIN-OUT (See Below)	MODEL
	LB TYP/MIN	MB TYP/MIN	UB TYP/MIN	LB TYP/MAX	MB TYP/MAX	UB TYP/MAX	LB MAX	MB MAX	UB MAX	LB MAX	MB MAX	UB MAX			
2-200	30/23	27/20	23/18	0.6/0.8	0.4/0.7	0.7/1.0	3.0	3.0	3.0	0.4	0.3	0.4	159	1	<b>SDL-110</b>
5-750	25/18	25/20	23/18	0.6/1.4	0.8/1.6	1.5/1.8	3.0	5.0	7.0	0.3	0.5	0.75	159	1	<b>SDL-135</b>
5-750	25/18	25/20	23/18	0.6/1.4	0.8/1.6	1.5/1.8	3.0	5.0	7.0	0.3	0.5	0.75	134J	1	<b>SDZ-135</b>
720-800	---/---	---/---	18/15	---/---	---/---	1.0/1.4	--	--	5.0	--	--	0.7	159	1	<b>SDL-115</b> †
850-950	---/---	---/---	17/13	---/---	---/---	1.0/1.4	--	--	5.0	--	--	0.7	159	1	<b>SDL-137</b> †

### SURFACE-MOUNT



FREQUENCY RANGE (MHz)	ISOLATION (dB)			INSERTION LOSS (dB)			PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)			PACKAGE	PIN-OUT (See Below)	MODEL
	LB TYP/MIN	MB TYP/MIN	UB TYP/MIN	LB TYP/MAX	MB TYP/MAX	UB TYP/MAX	LB MAX	MB MAX	UB MAX	LB MAX	MB MAX	UB MAX			
1700-2200	--/--	--/--	23/18	--/--	--/--	0.4/0.8	--	--	5.0	--	--	0.5	133M	2	<b>SPD-C9</b> †

### *New!* SYNSTRIP® SURFACE MOUNT



FREQUENCY RANGE (MHz)	ISOLATION (dB) Full Band TYP/MIN	INSERTION LOSS (dB) Full Band TYP/MAX	PHASE UNBALANCE (Degrees) Full Band TYP/MAX	AMPLITUDE UNBALANCE (dB) Full band TYP/MAX	VSWR TYP/MAX	PACKAGE	PIN-OUT (See Below)	MODEL
1700 - 2300	22/16	0.2/0.35	2.0/3.0	±0.15/0.3	1.3:1/1.5:1	242	3	<b>S3D1723*</b>
2000 - 2500	25/18	0.2/0.3	2.0/3.0	±0.2/0.3	1.3:1/1.4:1	242	3	<b>S3D2025*</b>

\* 50 Ohms with mismatch of 1.2:1 or less, Power Rating = 5 Watt, max  
 † (UB) -Denotes full bandwidth specification  
 For pin location and package outline drawings, see back pages.

LB = LF to 10 LF  
 MB = 10 LF to HF/2  
 UB = HF/2 to HF

PIN-OUT TABLE

	INPUT	OUTPUT	CASE GROUND
#1	6	1,3,4	2,5
#2	1	2,3,4	
#3	1	2,3,4	All Others

# POWER DIVIDERS

## 0° : 3-WAY



### THROUGH HOLE MOUNT (8 Pin-Relay Can)

FREQUENCY RANGE (MHz)	ISOLATION (dB)			INSERTION LOSS (dB)			PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)			PACKAGE	PIN-OUT (See Below)	MODEL
	LB TYP/MIN	MB TYP/MIN	UB TYP/MIN	LB TYP/MAX	MB TYP/MAX	UB TYP/MAX	LB MAX	MB MAX	UB MAX	LB MAX	MB MAX	UB MAX			
0.01-30	35/30	40/25	30/25	.25/.45	.15/.45	.45/.75	1.0	2.0	4.0	0.2	0.3	0.4	102	1	DCP-2A1
1-200	45/27	40/30	40/25	0.6/1.0	0.4/0.7	0.6/1.0	1.0	2.0	4.0	0.2	0.2	0.4	102	1	DCP-2B2
1-200	35/23	35/25	35/25	0.6/1.0	0.3/0.7	0.6/1.0	2.0	3.0	4.0	0.2	0.2	0.3	102	1	DCP-2C2
5-500	25/20	31/15	25/15	0.4/0.8	0.4/1.4	0.8/1.4	6.0	8.0	10	0.2	0.3	0.6	102	2	DCP-2B3
10-1000	25/20	23/18	23/18	0.6/1.0	0.8/1.3	1.2/2.0	6.0	8.0	12	0.2	0.4	0.8	102	2	DCP-2B4



### COAXIAL CONNECTOR

FREQUENCY RANGE (MHz)	ISOLATION (dB)			INSERTION LOSS (dB)			PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)			PACKAGE	PIN-OUT (See Below)	MODEL
	LB TYP/MIN	MB TYP/MIN	UB TYP/MIN	LB TYP/MAX	MB TYP/MAX	UB TYP/MAX	LB MAX	MB MAX	UB MAX	LB MAX	MB MAX	UB MAX			
1-200	45/30	48/35	37/30	0.25/0.5	.35/0.6	.35/0.6	1.0	3.0	5.0	0.1	0.2	0.2	113	3	DCK-7K2*
1-500	30/20	30/20	25/18	0.4/0.75	0.5/0.9	0.8/1.2	2.0	3.0	4.0	0.2	0.3	0.4	113	3	DCK-7J2*
2-750	30/20	30/20	25/18	0.4/0.75	0.5/1.0	1.0/1.6	3.0	5.0	7.0	0.2	0.3	0.5	113	3	DCK-7D3*
10-1000	25/20	20/17	20/17	0.5/0.75	0.7/1.0	1.2/2.0	3.0	5.0	7.0	0.3	0.4	0.7	113	3	DCK-703S

Power Rating (All Models) = 1 Watt, max

\* Select female connector suffix: "B" = BNC, "S" = SMA, "N" = Type N, "T" = TNC

■ 75 Ohm Model

For pin location and package outline drawings, see back pages.

PIN-OUT TABLE

	INPUT	OUTPUT	CASE GROUND
#1	6	1,2,5	3,4,7,8
#2	1	5,7,8	2,3,4,6
#3	1	2,3,4	-

LB	= LF to 10 LF
MB	= 10 LF to HF/2
UB	= HF/2 to HF

