

EIA Size 0805 Termination Resistor Designed-In Chip Directional Couplers

Features

- 1: Ideal applications in mobile phones, and smallest chips available.
- 2: A 200 mW termination resistor is designed in. Offer competitive pricing.
- 3: Coupling and insertion loss are provided according to a customers specification.

Dimensions, Schematics



Characteristics

Style No.	Frequency Range [MHz]	Insertion Loss [dB]	Coupling [dB]	Directivity [dB]	VSWR (max.)	RF Impedance [Ω]	Max.Input Power [W]
DCS214A-0900-G	800~1000	0.3 max.	21.0±2	15 min.	1.35	50	3 max.
DCS214C-0900-G	800~1000	0.3 max.	17.0±2	13 min.	1.20	50	3 max.
DCS214E-0900-G	800~1000	0.3 max.	20.0±2	15 min.	1.20	50	3 max.
DCS214G-0900-G	800~1000	0.4 max.	15.5±2	10 min.	1.20	50	3 max.
DCS214K-0900-G	800~1000	0.3 max.	27.0±2	15 min.	1.30	50	3 max.
DCS214M-0900-G	800~1000	0.3 max.	24.0±2	15 min.	1.35	50	3 max.
DCS214S-0900-G	800~1000	0.3 max.	22.0±2	15 min.	1.30	50	3 max.
DCS214A-1500-G	1400~1600	0.3 max.	17.0±2	11 min.	1.35	50	3 max.
DCS214C-1500-G	1400~1600	0.6 max.	12.5±2	10 min.	1.20	50	2 max.
DCS214E-1500-G	1400~1600	0.3 max.	15.5±2	13 min.	1.20	50	2 max.
DCS214G-1500-G	1400~1600	0.8 max.	11.0±2	8 min.	1.20	50	2 max.
DCS214K-1500-G	1400~1600	0.6 max.	23.0±2	13 min.	1.40	50	3 max.
DCS214M-1500-G	1400~1600	0.4 max.	20.0±2	13 min.	1.40	50	3 max.
DCS214S-1500-G	1400~1600	0.3 max.	18.0±2	13 min.	1.35	50	3 max.
DCS214A-1700-G	1600~1800	0.3 max.	16.0±2	10 min.	1.35	50	2 max.
DCS214C-1700-G	1600~1800	0.8 max.	11.5±2	9 min.	1.20	50	2 max.
DCS214E-1700-G	1600~1800	0.3 max.	14.5±2	12 min.	1.20	50	2 max.
DCS214G-1700-G	1600~1800	1.0 max.	10.0±2	7 min.	1.30	50	2 max.
DCS214K-1700-G	1600~1800	0.8 max.	22.0±2	12 min.	1.40	50	3 max.
DCS214M-1700-G	1600~1800	0.6 max.	19.0±2	12 min.	1.40	50	3 max.
DCS214S-1700-G	1600~1800	0.3 max.	17.0±2	12 min.	1.35	50	3 max.
DCS214A-1900-G	1800~2000	0.3 max.	15.0±2	8 min.	1.35	50	2 max.
DCS214C-1900-G	1800~2000	0.9 max.	10.5±2	9 min.	1.20	50	2 max.
DCS214E-1900-G	1800~2000	0.4 max.	13.5±2	10 min.	1.20	50	2 max.
DCS214G-1900-G	1800~2000	1.2 max.	9.0±2	7 min.	1.35	50	2 max.
DCS214K-1900-G	1800~2000	1.0 max.	21.0±2	12 min.	1.40	50	3 max.
DCS214M-1900-G	1800~2000	0.7 max.	18.0±2	12 min.	1.40	50	3 max.
DCS214S-1900-G	1800~2000	0.3 max.	16.0±2	12 min.	1.35	50	2 max.
DCS214A-2100-G	2000~2200	0.3 max.	14.0±2	8 min.	1.35	50	2 max.
DCS214C-2100-G	2000~2200	1.0 max.	10.0±2	8 min.	1.20	50	2 max.
DCS214E-2100-G	2000~2200	0.5 max.	12.5±2	10 min.	1.20	50	2 max.
DCS214G-2100-G	2000~2200	1.5 max.	8.0±2	6 min.	1.35	50	2 max.
DCS214K-2100-G	2000~2200	0.3 max.	20.0±2	12 min.	1.40	50	3 max.
DCS214M-2100-G	2000~2200	0.3 max.	17.0±2	12 min.	1.40	50	3 max.
DCS214S-2100-G	2000~2200	0.3 max.	15.0±2	10 min.	1.35	50	2 max.
DCS214A-2400-G	2300~2500	0.4 max.	13.0±2	8 min.	1.35	50	2 max.
DCS214C-2400-G	2300~2500	1.2 max.	8.5±2	8 min.	1.20	50	2 max.
DCS214E-2400-G	2300~2500	0.6 max.	11.5±2	10 min.	1.20	50	2 max.
DCS214G-2400-G	2300~2500	1.8 max.	7.0±2	6 min.	1.40	50	2 max.
DCS214K-2400-G	2300~2500	0.4 max.	19.0±2	12 min.	1.40	50	3 max.
DCS214M-2400-G	2300~2500	0.4 max.	16.0±2	11 min.	1.40	50	2 max.
DCS214S-2400-G	2300~2500	0.4 max.	14.0±2	11 min.	1.35	50	2 max.

Operating Temperature Range : -30~+85 C

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Features

- 1: Ideal applications in mobile phones, and smallest chips available.
- 2: Coupling and insertion loss are provided according to a customers specification.

Dimensions, Schematics



- (1) Coupled Output Port
- (2) Coupled Termination
- (3) Output Port
- (4) Input Port

Specifications

Style No.	Frequency Range [MHz]	Insertion Loss [dB]	Coupling [dB]	Directivity [dB]	VSWR (max.)	RF [Ω]	Max. Input Power [W]	Termination Resistor [Ω]	Note
DCS2141-0900-G	800~1000	0.3 max.	15.0±2	10 min.	1.2	50	5 max.	24	
DCS2142-0900-G	800~1000	0.3 max.	17.0±2	10 min.	1.2	50	5 max.	43	
DCS2143-0900-G	800~1000	0.3 max.	20.0±2	13 min.	1.2	50	5 max.	51	
DCS2144-0900-G	800~1000	0.3 max.	22.0±2	15 min.	1.3	50	5 max.	51	
DCS2145-0900-G	800~1000	0.3 max.	24.0±2	15 min.	1.3	50	5 max.	75	
DCS2146-0900-G	800~1000	0.3 max.	27.0±2	15 min.	1.3	50	5 max.	68	
DCS2141-1500-G	1400~1600	0.8 max.	10.5±2	7 min.	1.3	50	5 max.	24	
DCS2142-1500-G	1400~1600	0.4 max.	12.5±2	9 min.	1.3	50	5 max.	43	
DCS2143-1500-G	1400~1600	0.3 max.	15.5±2	10 min.	1.3	50	5 max.	51	
DCS2144-1500-G	1400~1600	0.3 max.	18.0±2	11 min.	1.4	50	5 max.	51	
DCS2145-1500-G	1400~1600	0.3 max.	20.0±2	15 min.	1.3	50	5 max.	75	
DCS2146-1500-G	1400~1600	0.3 max.	23.0±2	15 min.	1.4	50	5 max.	68	
DCS2141-1700-G	1600~1800	1.0 max.	9.5±2	6 min.	1.4	50	5 max.	24	
DCS2142-1700-G	1600~1800	0.6 max.	11.5±2	8 min.	1.3	50	5 max.	43	
DCS2143-1700-G	1600~1800	0.3 max.	14.5±2	10 min.	1.3	50	5 max.	51	
DCS2144-1700-G	1600~1800	0.3 max.	16.5±2	10 min.	1.5	50	5 max.	51	
DCS2145-1700-G	1600~1800	0.3 max.	18.5±2	15 min.	1.4	50	5 max.	75	
DCS2146-1700-G	1600~1800	0.3 max.	21.5±2	15 min.	1.4	50	5 max.	68	
DCS2141-1900-G	1800~2000	1.4 max.	8.5±2	6 min.	1.5	50	5 max.	24	
DCS2142-1900-G	1800~2000	0.7 max.	10.5±2	8 min.	1.4	50	5 max.	43	
DCS2143-1900-G	1800~2000	0.4 max.	13.5±2	10 min.	1.3	50	5 max.	51	
DCS2144-1900-G	1800~2000	0.3 max.	15.5±2	10 min.	1.6	50	5 max.	51	
DCS2145-1900-G	1800~2000	0.3 max.	17.5±2	15 min.	1.4	50	5 max.	75	
DCS2146-1900-G	1800~2000	0.3 max.	20.5±2	15 min.	1.4	50	5 max.	68	
DCS2144-2100-G	2000~2200	0.3 max.	15.0±2	10 min.	1.7	50	5 max.	51	*
DCS2145-2100-G	2000~2200	0.3 max.	17.0±2	15 min.	1.4	50	5 max.	75	*
DCS2146-2100-G	2000~2200	0.3 max.	20.0±2	15 min.	1.4	50	5 max.	68	*
DCS2144-2400-G	2300~2500	0.4 max.	14.0±2	8 min.	1.8	50	5 max.	51	
DCS2145-2400-G	2300~2500	0.3 max.	16.0±2	15 min.	1.5	50	5 max.	75	
DCS2146-2400-G	2300~2500	0.3 max.	19.5±2	15 min.	1.4	50	5 max.	68	

* Correspondence W - CDMA

Operating Temperature Range : -30~+85 C