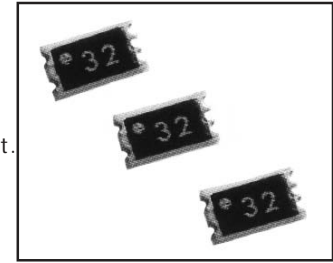


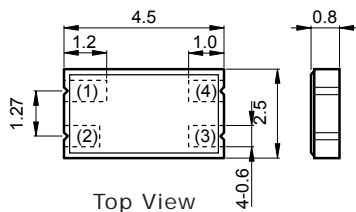
## EIA Size 2010 Chip Directional Couplers

### Features

- 1: Ideal applications in mobile phones, and smallest chips available.
- 2: A Excellent performance offers the cost efficiency.
- 3: Coupling and insertion loss are designed to meet customer requirement. specification.
- 4: Custom Designs Available

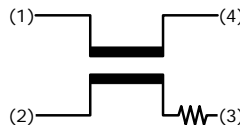


### Dimensions, Schematics



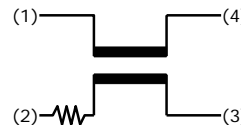
Unit: mm

DCS3120  
DCS3220



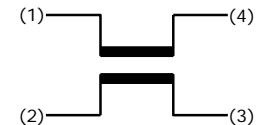
- (1) Input Port
- (2) Coupled Output Port
- (3) Coupled Termination
- (4) Output Port

DCS3320  
DCS3420



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

DCS3D20  
DCS3E20  
DCS3F20



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

### Characteristics

EIA size 2010 (4.5x2.5 mm)

Style No.	Frequency Range [ MHz ]	Insertion Loss [ dB ]	Coupling [ dB ]	Directivity (Isolation) [ dB ]	VSWR (max.)	RF Impedance [ $\Omega$ ]	Termination Resistor [ $\Omega$ ]	Max. Input Power [ W ]
DCS3D20-0157-G	136~178	0.25 max.	20 $\pm$ 3	17 min. (34 min.)	1.2	50	20	15 max.
DCS3E20-0461-G	403~520	0.2 max.	20 $\pm$ 2.5	18 min. (35 min.)	1.2	50	39	10 max.
DCS3120-09-G DCS3320-09-G	800~1000	0.3 max.	17 $\pm$ 2	18 min. (33 min.)	1.2	50	Designed in	5 max.
DCS3220-09-G DCS3420-09-G	800~1000	0.3 max.	21 $\pm$ 2	15 min. (34 min.)	1.2	50	Designed in	15 max.
DCS3F20-0873-G	806~941	0.2 max.	20 $\pm$ 2	18 min. (36 min.)	1.2	50	43	10 max.
DCS3120-15-G DCS3320-15-G	1400~1600	0.4 max.	13 $\pm$ 2	15 min. (26 min.)	1.3	50	Designed in	2 max.
DCS3220-15-G DCS3420-15-G	1400~1600	0.3 max.	16 $\pm$ 2	15 min. (29 min.)	1.2	50	Designed in	5 max.
DCS3120-19-G DCS3320-19-G	1800~2000	0.6 max.	11 $\pm$ 2	15 min. (24 min.)	1.3	50	Designed in	1 max.
DCS3220-19-G DCS3420-19-G	1800~2000	0.3 max.	14 $\pm$ 2	15 min. (27 min.)	1.3	50	Designed in	2 max.
DCS3130-2400-G	2350~2450	1.0 max.	8.5 $\pm$ 1	10 min. (17 min.)	1.5	50	Designed in	1 max.
DCS3230-2400-G	2350~2450	0.6 max.	12.3 $\pm$ 1	13 min. (24 min.)	1.5	50	Designed in	2 max.

Operating Temperature Range : -30~+70 C