



1 GHz CATV Outdoor Tap, High Current Type



ODGT - xx H (HP)  
1 GHz 2-Way Tap Series



ODGF - xx H (HP)  
1 GHz 4-Way Tap Series



ODGE - xx H (HP)  
1 GHz 8-Way Tap Series

**Features :**

- 5 ~ 1000 MHz broad band operation
- 12 A through current rating
- Neoprene sealed and nickel plated brass "F" ports and all "TAP" ports DC blocked
- Aluminum alloy 360 housing with power paint coating
- Woven metallic gasket for RFI shielding requirement
- Full weather seal with strand clamp for outdoor applications
- All input/ output connectors are 5/8" - 24UNEF female (M18 x P1 female for Japanese market is available)
- ODGT, ODGF, ODGE- H Series : High current type outdoor tap
- ODGT, ODGF, ODGE- HP Series : High current type outdoor tap with built-in AC/ RF bypass switch to provide uninterrupted service to successive subscribers during tap faceplate removal

**General Specifications :**

Power Passing		12 A AC/ DC (In - Out)
HUM Modulation		-70 dB avg. (@ 10 A Power Passing)
Waterproof Condition		1.0 kg/ cm <sup>2</sup>
Impedance		75
Connectors	In / Out	5/8"-24UNEF Female
	Tap	"F" Female
Dimensions (with connectors)	ODGT, ODGF Series	94 x 100 x 75 mm
	ODGE Series	139 x 117 x 75 mm
Weight	ODGT, ODGF Series	290 g
	ODGE Series	510 g

Top Cover (ODGT- * HP, ODGF- * HP, ODGE- * HP Series)		
Frequency Range		5 ~ 1000 MHz
Insertion Loss	IN - OUT	0.5 dB max.
Return Loss	IN/ OUT	15 dB min.

Specifications are subject to change without notice.



## 1 GHz CATV Outdoor 2-Way Tap, High Current Type

### Specifications :

Insertion Loss * (dB max.)								
Flatness = In/ Out 0.5 dB @any 8 MHz bandwidth)								
2- way	(MHz)	5 ~ 15	15 ~ 40	40 ~ 250	250 ~ 550	550 ~ 750	750 ~ 862	862 ~ 1000
( 4 ) dB		---	---	---	---	---	---	---
( 8 ) dB		3.1	3.1	3.4	4.0	4.4	4.7	4.7
( 11 ) dB		1.3	1.3	1.3	1.5	1.8	2.4	2.7
( 14 ) dB		0.7	0.7	0.8	0.9	1.3	1.5	1.9
( 17 ) dB		0.6	0.6	0.7	0.9	1.3	1.5	1.6
( 20 ) dB		0.4	0.4	0.4	0.6	0.9	1.1	1.5
( 23 ) dB		0.4	0.4	0.4	0.5	0.8	1.1	1.5
( 26 ) dB		0.4	0.4	0.4	0.5	0.7	1.1	1.5
( 29 ) dB		0.4	0.4	0.4	0.5	0.8	1.1	1.5
Isolation (dB min.)								
2- way	port, (MHz)	5 ~ 15	15 ~ 40	40 ~ 250	250 ~ 550	550 ~ 750	750 ~ 862	862 ~ 1000
( 4 ) dB	Out - Tap	---	---	---	---	---	---	---
	Tap - Tap	20	22	25	25	22	22	22
( 8 ) dB	Out - Tap	18	24	25	24	22	22	22
	Tap - Tap	20	22	25	25	20	20	20
( 11 ) dB	Out - Tap	22	26	26	26	24	22	22
	Tap - Tap	20	22	25	25	20	20	20
( 14 ) dB	Out - Tap	24	24	28	28	25	22	22
	Tap - Tap	20	22	25	25	20	20	20
( 17 ) dB	Out - Tap	27	30	30	30	30	28	28
	Tap - Tap	22	25	28	25	22	20	20
( 20 ) dB	Out - Tap	30	34	34	34	31	30	30
	Tap - Tap	25	28	28	25	22	20	20
( 23 ) dB	Out - Tap	30	36	36	36	34	34	34
	Tap - Tap	25	28	28	25	22	20	20
( 26 ) dB	Out - Tap	34	38	38	38	36	30	30
	Tap - Tap	25	28	28	25	22	20	20
( 29 ) dB	Out - Tap	38	38	42	42	40	38	38
	Tap - Tap	25	28	28	25	22	20	20

\* In mass production the specifications could be differed 0.5 dB tolerance.

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## 1 GHz CATV Outdoor 2-Way Tap, High Current Type

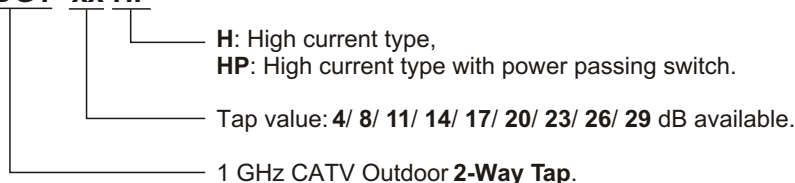
### Specifications :

Tap Loss (dB)								
2- way	(MHz)	5 ~ 15	15 ~ 40	40 ~ 250	250 ~ 550	550 ~ 750	750 ~ 862	862 ~ 1000
( 4 ) dB		4 1	4 1	4 1	4 1	4 1	4 1.5	4 1.5
( 8 ) dB		8 1	8 1	8 1	8 1	8 1	8 1.5	8 1.5
( 11 ) dB		11 1	11 1	11 1	11 1	11 1	11 1.5	11 1.5
( 14 ) dB		14 1	14 1	14 1	14 1	14 1	14 1.5	14 1.5
( 17 ) dB		17 1	17 1	17 1	17 1	17 1	17 1.5	17 1.5
( 20 ) dB		20 1	20 1	20 1	20 1	20 1	20 1.5	20 1.5
( 23 ) dB		23 1	23 1	23 1	23 1	23 1	23 1.5	23 1.5
( 26 ) dB		26 1	26 1	26 1	26 1	26 1	26 1.5	26 1.5
( 29 ) dB		29 1	29 1	29 1	29 1	29 1	29 1.5	29 1.5
Return Loss (dB min.)								
2- way	port, (MHz)	5 ~ 15	15 ~ 40	40 ~ 250	250 ~ 550	550 ~ 750	750 ~ 862	862 ~ 1000
( 4 ) dB	In	16	18	18	18	16	16	16
	Tap	16	18	18	18	16	16	16
( 8 ) dB	In/ Out	16	18	18	18	16	16	16
	Tap	16	18	18	18	18	16	16
( 11 ) dB	In/ Out	15	16	16	16	16	16	16
	Tap	15	18	18	18	18	16	16
( 14 ) dB	In/ Out	16	16	18	18	16	16	16
	Tap	16	18	18	18	18	16	16
( 17 ) dB	In/ Out	16	16	18	18	16	16	16
	Tap	16	18	18	18	18	16	16
( 20 ) dB	In/ Out	16	18	18	18	16	16	16
	Tap	16	18	18	18	18	16	16
( 23 ) dB	In/ Out	16	18	18	18	16	16	16
	Tap	16	18	18	18	18	16	16
( 26 ) dB	In/ Out	16	18	18	18	16	16	16
	Tap	16	18	18	18	18	16	16
( 29 ) dB	In/ Out	16	18	18	18	16	16	16
	Tap	16	18	18	18	16	16	16

Specifications are subject to change without notice.

### Model Number System :

**ODGT- xx HP**





## 1 GHz CATV Outdoor 4-Way Tap, High Current Type

### Specifications :

Insertion Loss * (dB max.)								
Flatness = In/ Out 0.5 dB @any 8 MHz bandwidth)								
4- way	(MHz)	5 ~ 15	15 ~ 40	40 ~ 250	250 ~ 550	550 ~ 750	750 ~ 862	862 ~ 1000
( 8 ) dB		---	---	---	---	---	---	---
( 11 ) dB		3.0	3.0	3.4	3.8	4.1	4.4	4.6
( 14 ) dB		1.4	1.4	1.3	1.6	2.1	2.3	3.4
( 17 ) dB		0.7	0.7	0.8	0.9	1.1	1.7	2.8
( 20 ) dB		0.6	0.6	0.6	0.7	1.0	1.3	2.1
( 23 ) dB		0.3	0.3	0.4	0.5	0.9	0.9	1.5
( 26 ) dB		0.3	0.3	0.4	0.5	0.7	0.9	1.5
( 29 ) dB		0.3	0.3	0.4	0.5	0.7	0.9	1.5
Isolation (dB min.)								
4- way	port, (MHz)	5 ~ 15	15 ~ 40	40 ~ 250	250 ~ 550	550 ~ 750	750 ~ 862	862 ~ 1000
( 8 ) dB	Out - Tap	---	---	---	---	---	---	---
	Tap - Tap	20	25	25	25	20	20	20
( 11 ) dB	Out - Tap	20	25	25	25	22	22	22
	Tap - Tap	20	25	25	25	20	20	20
( 14 ) dB	Out - Tap	21	27	27	27	25	25	25
	Tap - Tap	20	25	25	25	20	20	20
( 17 ) dB	Out - Tap	22	30	30	30	28	24	24
	Tap - Tap	20	25	25	25	20	20	20
( 20 ) dB	Out - Tap	27	33	33	33	31	26	26
	Tap - Tap	20	25	25	25	20	20	20
( 23 ) dB	Out - Tap	30	36	33	33	31	28	28
	Tap - Tap	20	25	25	25	20	20	20
( 26 ) dB	Out - Tap	34	36	36	36	36	34	34
	Tap - Tap	20	25	25	25	20	20	20
( 29 ) dB	Out - Tap	36	40	40	40	36	34	34
	Tap - Tap	20	25	25	25	20	20	20

\* In mass production the specifications could be differed 0.5 dB tolerance.

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1 GHz CATV Outdoor 4-Way Tap, High Current Type

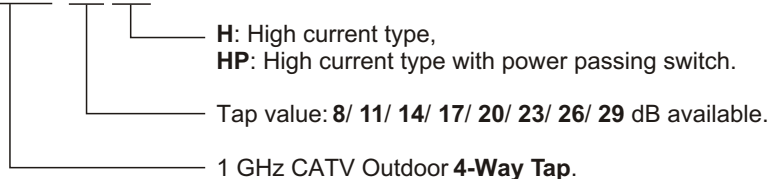
**Specifications :**

Tap Loss (dB)								
4- way	(MHz)	5 ~ 15	15 ~ 40	40 ~ 250	250 ~ 550	550 ~ 750	750 ~ 862	862 ~ 1000
( 8 ) dB		8 1	8 1	8 1	8 1	8 1	8 1.5	8 1.5
( 11 ) dB		11 1	11 1	11 1	11 1	11 1	11 1.5	11.5 1.5
( 14 ) dB		14 1	14 1	14 1	14 1	14 1	14 1.5	14 1.5
( 17 ) dB		17 1	17 1	17 1	17 1	17 1	17 1.5	17 1.5
( 20 ) dB		20 1	20 1	20 1	20 1	20 1	20 1.5	20 1.5
( 23 ) dB		23 1	23 1	23 1	23 1	23 1	23 1.5	23 1.5
( 26 ) dB		26 1	26 1	26 1	26 1	26 1	26 1.5	26.5 1.5
( 29 ) dB		29 1	29 1	29 1	29 1	29 1	29 1.5	29 1.5
Return Loss (dB min.)								
4- way	port, (MHz)	5 ~ 15	15 ~ 40	40 ~ 250	250 ~ 550	550 ~ 750	750 ~ 862	862 ~ 1000
( 8 ) dB	In	16	18	18	18	15	16	16
	Tap	16	18	18	18	16	16	16
( 11 ) dB	In/ Out	15	17	18	18	15	16	16
	Tap	15	17	18	18	16	16	16
( 14 ) dB	In/ Out	15	17	18	18	16	16	16
	Tap	15	17	18	18	16	16	16
( 17 ) dB	In/ Out	15	17	18	18	16	16	16
	Tap	15	17	18	18	16	16	16
( 20 ) dB	In/ Out	16	18	18	18	16	16	16
	Tap	16	18	18	18	16	16	16
( 23 ) dB	In/ Out	16	18	18	18	16	16	16
	Tap	16	18	18	18	15	16	16
( 26 ) dB	In/ Out	16	18	18	18	16	16	16
	Tap	16	18	18	18	15	16	16
( 29 ) dB	In/ Out	16	18	18	18	16	16	16
	Tap	16	18	18	18	15	16	16

Specifications are subject to change without notice.

**Model Number System :**

**ODGF- xx HP**





## 1 GHz CATV Outdoor 8-Way Tap, High Current Type

### Specifications :

Insertion Loss * (dB max.)								
Flatness = In/ Out 0.5 dB @any 8 MHz bandwidth)								
8- way	(MHz)	5 ~ 15	15 ~ 40	40 ~ 250	250 ~ 550	550 ~ 750	750 ~ 862	862 ~ 1000
( 11 ) dB		---	---	---	---	---	---	---
( 14 ) dB		3.1	3.1	3.5	3.7	4.2	4.4	4.7
( 17 ) dB		1.4	1.4	1.5	1.5	2.3	3.0	3.2
( 20 ) dB		0.9	0.9	0.9	1.3	1.9	1.9	2.7
( 23 ) dB		0.7	0.7	0.7	0.8	1.2	1.7	2.0
( 26 ) dB		0.3	0.3	0.5	0.7	0.9	1.3	1.5
( 29 ) dB		0.3	0.3	0.5	0.7	0.9	1.3	1.5
Isolation (dB min.)								
8- way	port, (MHz)	5 ~ 15	15 ~ 40	40 ~ 250	250 ~ 550	550 ~ 750	750 ~ 862	862 ~ 1000
( 11 ) dB	Out - Tap	---	---	---	---	---	---	---
	Tap - Tap	22	23	23	23	22	20	20
( 14 ) dB	Out - Tap	22	25	28	25	23	23	23
	Tap - Tap	22	23	23	23	22	20	20
( 17 ) dB	Out - Tap	22	25	28	25	25	25	25
	Tap - Tap	22	23	23	23	22	20	20
( 20 ) dB	Out - Tap	26	26	30	30	25	25	25
	Tap - Tap	22	23	23	23	22	20	20
( 23 ) dB	Out - Tap	33	33	33	33	33	30	30
	Tap - Tap	22	23	23	23	22	20	20
( 26 ) dB	Out - Tap	35	33	33	33	33	30	30
	Tap - Tap	22	23	23	23	22	20	20
( 29 ) dB	Out - Tap	40	40	40	40	35	32	32
	Tap - Tap	22	23	23	23	22	20	20

\* In mass production the specifications could be differed 0.5 dB tolerance.

Specifications are subject to change without notice.



1 GHz CATV Outdoor 8-Way Tap, High Current Type

**Specifications :**

Tap Loss (dB)								
8- way	(MHz)	5 ~ 15	15 ~ 40	40 ~ 250	250 ~ 550	550 ~ 750	750 ~ 862	862 ~ 1000
( 11 ) dB		11 1	11 1	11 1	11 1	11.5 1	12 1.5	12 1.5
( 14 ) dB		14.5 1	14.5 1	14 1	14 1	14.5 1	15 1.5	15 1.5
( 17 ) dB		17.5 1	17.5 1	17.5 1	17.5 1	17.5 1	18 1.5	18 1.5
( 20 ) dB		19.5 1	19.5 1	20 1	20 1	20 1.5	20 1.5	20 1.5
( 23 ) dB		23 1	23 1	23 1	23 1	23 1.5	23.5 1.5	23.5 1.5
( 26 ) dB		26 1	26 1	26 1	26 1	26 1.5	26.5 1.5	26.5 1.5
( 29 ) dB		29 1	29 1	29 1	29 1	29 1.5	29 2	29 2
Return Loss (dB min.)								
8- way	port, (MHz)	5 ~ 15	15 ~ 40	40 ~ 250	250 ~ 550	550 ~ 750	750 ~ 862	862 ~ 1000
( 11 ) dB	In	16	18	18	18	16	16	16
	Tap	16	18	18	18	18	16	16
( 14 ) dB	In/ Out	16	17	18	18	16	16	16
	Tap	16	17	18	18	18	16	16
( 17 ) dB	In/ Out	16	17	18	18	16	16	16
	Tap	16	17	18	18	18	16	16
( 20 ) dB	In/ Out	16	17	18	18	16	16	16
	Tap	16	17	18	18	18	16	16
( 23 ) dB	In/ Out	16	18	18	18	16	16	16
	Tap	16	18	18	18	18	16	16
( 26 ) dB	In/ Out	16	18	18	18	16	16	16
	Tap	16	18	18	18	18	16	16
( 29 ) dB	In/ Out	16	18	18	18	16	16	16
	Tap	16	18	18	18	18	16	16

Specifications are subject to change without notice.

**Model Number System :**

**ODGE- xx HP**

