



Outdoor Multi-tap 33 Series 1 GHz Features:

- 5-1002 MHz bandwidth
- 15 Amp current capacity
- Blocking capacitors on the "F" ports for extended surge resistant SR
- Power passing option: CB: continuous through signal w/o faceplate
- Aluminum alloy housing used for corrosion resistant
- Rubber gasket and RFI shielding gasket
- Epoxy sealed and nickel plated brass ports
- Printed circuit board
- Easy interchangeable 2/4 port faceplates
- Aerial or pedestal installation
- Rotational seizure mechanism for aerial or pedestal installation
- Compliant with SCTE guidelines

	Std Ctn Qty	Inner Box	Box Weight	xx dB Values
DT33G-SR-CB-2xx Series	50 pcs	10 pcs	18 kgs	-04T,-08,-11,-14,-17,-20,-23,-26,-29,-32
DT33G-SR-CB-4xx Series	50 pcs	10 pcs	19 kgs	-08T,-11,-14,-17,-20,-23,-26,-29,-32,-35
DT33G-SR-CB-8xx Series	40 pcs	10 pcs	23 kgs	-11T,-14,-17,-20,-23,-26,-29,-32,-35
D'S33G-xx Series	30 pcs	10 pcs	20 kgs	-.2,-.3,-.3B Splitter
DC33G-xx Series	30 pcs	10 pcs	20 kgs	-.8,-.12,-.16 dB Coupler, -.PI Power Insert

Multitaps & Line Passives

DT33G-SR-200 Series - 1 GHz: 2 Port Specification

Insertion Loss

	4T	8	11	14	17	20	23	26	29	32	
Frequency	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	
5-42 MHz	T	3.4 3.1	1.6 1.3	1.0 0.8	0.9 0.8	0.8 0.5	0.8 0.4	0.8 0.5	0.8 0.5	0.8 0.5	dB
43-400 MHz	T	3.6 3.5	1.6 1.3	1.1 0.8	1.0 0.8	0.8 0.8	0.8 0.5	0.8 1.0	0.8 0.7	0.8 0.7	dB
401-750 MHz	T	4.3 3.8	2.3 2.2	1.5 1.5	1.4 1.3	1.2 0.8	1.2 0.8	1.2 1.3	1.2 1.2	1.2 1.0	dB
751-1002 MHz	T	4.5 4.1	3.8 2.9	3.0 2.5	2.0 1.9	2.0 1.4	1.8 1.6	1.8 1.7	1.8 1.7	1.8 1.5	dB

Tap Value

	4T	8	11	14	17	20	23	26	29	32	
Frequency											
5-600 MHz	4.0 ±1.0	8.0 ±1.0	11 ±1.0	14 ±1.0	17 ±1.0	20 ±1.0	23 ±1.0	26 ±1.0	29 ±1.0	32 ±1.0	dB
601-800 MHz	4.0 ±1.5	8.0 ±1.5	11 ±1.5	14 ±1.5	17 ±1.5	20 ±1.5	23 ±1.5	26 ±1.5	29 ±1.5	32 ±1.5	dB
801-1002 MHz	4.0 ±2.0	8.0 ±2.0	11 ±2.0	14 ±2.0	17 ±2.0	20 ±2.0	23 ±2.0	26 ±2.0	29 ±2.0	32 ±2.0	dB

Tap to Tap Isolation

	4T	8	11	14	17	20	23	26	29	32	
Frequency	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	
5-15 MHz	22 29	22 22	18 23	22 26	22 31	22 27	22 27	22 27	22 26	22 30	dB
16-42 MHz	25 35	25 29	20 28	25 29	25 37	25 30	25 37	25 37	25 35	25 33	dB
43-600 MHz	25 25	25 41	20 26	25 25	28 25	28 25	28 25	28 25	28 25	28 25	dB
601-1002 MHz	22 22	20 25	20 21	20 24	20 25	22 27	22 23	22 23	22 25	22 29	dB

Output to Tap Isolation

	4T	8	11	14	17	20	23	26	29	32	
Frequency	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	
5-15 MHz	T T	22 30	22 25	24 28	27 33	30 41	35 44	38 47	40 52	44 52	dB
16-400 MHz	T T	23 40	26 36	30 33	30 36	34 45	36 45	38 46	42 49	45 49	dB
401-750 MHz	T T	22 30	22 39	22 31	28 34	30 40	32 40	32 41	32 49	32 49	dB
751-1002 MHz	T T	22 31	22 30	22 26	28 40	30 37	32 41	32 41	32 50	32 50	dB

Input/Output/Tap Return Loss

	4T	8	11	14	17	20	23	26	29	32	
Frequency	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	GM TYP	
5-15 MHz	16 20	16 20	16 20	16 20	16 20	16 20	16 20	16 20	16 20	16 20	dB
16-42 MHz	18 20	18 20	18 20	18 20	18 20	18 20	18 20	18 20	18 20	18 20	dB
43-400 MHz	20 20	20 20	20 20	20 20	20 20	20 20	20 20	20 20	20 20	20 20	dB
401-1002 MHz	18 20	18 20	18 20	18 20	18 20	18 20	18 20	18 20	18 20	18 20	dB

Hum Modulation @ 10 Amp

5-1002 MHz	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	dB
------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----

General Specifications

Power Passing:	15 Amp, 90 VAC
----------------	----------------

- Specifications subject to change without notice. v9.00
- GM: Guarantee Minimum. TYP: Typical

Ordering Information:

DT33G-SR-CB-

[04T, 08, 11, 14, 17, 20, 23, 26, 29, 32 dB value
2 (2 port)



Multitaps & Line Passives

DT33G-SR-400 Series - 1 GHz: 4 Port Specification

Insertion Loss

Frequency	8T		11		14		17		20		23		26		29		32		35			
	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP		
5-42 MHz	T	T	3.2	3.2	1.8	1.2	1.0	0.7	1.2	0.7	1.2	0.3	0.8	0.3	0.8	0.4	0.8	0.4	0.8	0.4	0.8	0.4
43-400 MHz	T	T	3.5	3.4	1.8	1.3	1.1	0.8	1.0	0.7	0.8	0.4	0.8	0.4	0.8	0.4	0.8	0.4	0.8	0.4	0.8	0.4
401-750 MHz	T	T	4.0	3.7	2.3	1.7	1.5	1.0	1.4	0.9	1.2	0.6	1.2	0.6	1.2	0.6	1.2	0.6	1.2	0.6	1.2	0.6
751-1002 MHz	T	T	4.5	4.1	3.8	2.5	3.0	1.7	2.0	1.4	1.8	1.0	1.8	1.0	1.8	1.0	1.8	1.0	1.8	1.0	1.8	1.0

Tap Value

Frequency	8T		11		14		17		20		23		26		29		32		35	
	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP
5-600 MHz	8.0 ± 1.0		11 ± 1.0		14 ± 1.0		17 ± 1.0		20 ± 1.0		23 ± 1.0		26 ± 1.0		29 ± 1.0		32 ± 1.0		35 ± 1.0	
601-800 MHz	8.0 ± 1.5		11 ± 1.5		14 ± 1.5		17 ± 1.5		20 ± 1.5		23 ± 1.5		26 ± 1.5		29 ± 1.5		32 ± 1.5		35 ± 1.5	
801-1002 MHz	8.0 ± 2.0		11 ± 2.0		14 ± 2.0		17 ± 2.0		20 ± 2.0		23 ± 2.0		26 ± 2.0		29 ± 2.0		32 ± 2.0		35 ± 2.0	

Tap to Tap Isolation

Frequency	8T		11		14		17		20		23		26		29		32		35		
	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	
5-15 MHz	22	29	22	24	22	22	22	26	22	32	22	40	22	39	22	46	22	32	22		dB
16-42 MHz	25	35	25	29	25	31	25	34	25	40	25	45	25	43	25	51	25	34	25		dB
43-600 MHz	25	30	25	35	25	38	25	28	25	38	25	43	25	35	25	63	25	35	25		dB
601-1002 MHz	22	34	22	22	22	31	22	28	22	25	22	30	22	30	22	22	23	22		dB	

Output to Tap Isolation

Frequency	8T		11		14		17		20		23		26		29		32		35		
	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	
5-15 MHz	T	T	22	25	22	28	22	30	27	37	35	38	38	41	40	45	42	45	44	45	dB
16-400 MHz	T	T	25	46	27	33	30	39	33	44	33	41	34	44	42	47	44	47	45	47	dB
401-750 MHz	T	T	24	33	25	31	28	38	30	37	30	39	30	42	39	43	41	43	43	43	dB
751-1002 MHz	T	T	22	34	23	31	24	29	25	37	24	39	25	40	27	42	31	42	32	42	dB

Input/Output/Tap Return Loss

Frequency	8T		11		14		17		20		23		26		29		32		35		
	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	
5-15 MHz	16	20	16	20	16	20	16	20	16	20	16	20	16	20	16	20	16	20	16	20	dB
16-42 MHz	18	20	18	20	18	20	18	20	18	20	18	20	18	20	18	20	18	20	18	20	dB
43-400 MHz	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	dB
401-1002 MHz	18	20	18	20	18	20	18	20	18	20	18	20	18	20	18	20	18	20	18	20	dB

Hum Modulation @ 10 Amp

5-1002 MHz	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	dB
------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----

General Specifications

Power Handling: 15 Amp, 90 VAC

- Specifications subject to change without notice. v9.00
- GM: Guarantee Minimum. TYP: Typical

Ordering Information:

DT33G-SR-CB-

11T, 14, 17, 20, 23, 26, 29, 32, 35 dB value
8 (8 port)



DT33G-SR-800 Series - 1 GHz: 8 Port Specification

Insertion Loss

Frequency	11T		14		17		20		23		26		29		32		35		
	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	
5-42 MHz	T	T	3.2	3.2	1.8	1.2	1.1	0.9	1.0	0.9	1.0	0.4	0.8	0.4	0.8	0.4	0.8	0.4	dB
43-400 MHz	T	T	3.5	3.4	2.0	1.3	1.5	0.9	1.3	0.7	1.0	0.5	1.0	0.5	1.0	0.5	1.0	0.5	dB
401-750 MHz	T	T	4.0	3.9	2.4	1.7	1.8	1.3	1.5	1.1	1.2	0.8	1.2	0.8	1.2	0.8	1.2	0.8	dB
751-1002 MHz	T	T	4.5	4.4	3.8	2.6	3.0	2.1	2.2	1.6	1.8	1.4	1.8	1.3	1.8	1.3	1.8	1.3	dB

Tap Value

Frequency	11T		14		17		20		23		26		29		32		35		
	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	
5-600 MHz	11	+1.0	14	+1.0	17	+1.0	20	+1.0	23	+1.0	26	+1.0	29	+1.0	32	+1.0	35	+1.0	dB
601-800 MHz	11	+1.5	14	+1.5	17	+1.5	20	+1.5	23	+1.5	26	+1.5	29	+1.5	32	+1.5	35	+1.5	dB
801-1002 MHz	11	+2.5	14	+2.5	17	+2.5	20	+2.5	23	+2.5	26	+2.5	29	+2.5	32	+2.5	35	+2.5	dB

Tap to Tap Isolation

Frequency	11T		14		17		20		23		26		29		32		35		
	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	
5-15 MHz	22		22		22		22		22		22		22		22		22		dB
16-42 MHz	25		25		25		25		25		25		25		25		25		dB
43-600 MHz	25		25		25		25		25		25		25		25		25		dB
601-1002 MHz	22		22		22		22		22		22		22		22		22		dB

Output to Tap Isolation

Frequency	11T		14		17		20		23		26		29		32		35		
	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	
5-15 MHz	T	T	22	30	22	31	26	30	31	41	35	47	38	50	40	50	42	50	dB
16-400 MHz	T	T	25	43	28	33	30	32	33	44	34	46	35	51	42	51	44	51	dB
401-750 MHz	T	T	25	30	25	32	25	32	28	45	26	40	30	47	32	47	32	47	dB
751-1002 MHz	T	T	25	34	23	42	25	28	28	37	28	36	28	41	31	41	32	41	dB

Input/Output/Tap Return Loss

Frequency	11T		14		17		20		23		26		29		32		35		
	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	
5-15 MHz	16	20	16	20	16	20	16	20	16	20	16	20	16	20	16	20	16	20	dB
16-42 MHz	18	20	18	20	18	20	18	20	18	20	18	20	18	20	18	20	18	20	dB
43-400 MHz	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	dB
401-1002 MHz	18	20	18	20	18	20	18	20	18	20	18	20	18	20	18	20	18	20	dB

Hum Modulation @ 10 Amp

5-1002 MHz	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	dB
------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----

General Specifications

Power Passing: 15 Amp, 90 VAC

- Specifications subject to change without notice. v9.00
- GM: Guarantee Minimum. TYP: Typical

Ordering Information:

DT33G-SR-CB-

[11T, 14, 17, 20, 23, 26, 29, 32, 35 dB value
8 (8 port)



DS33G series 1GHz Mainline Splitters - 2,-3B,-3

Insertion Loss

Frequency	DS33G-2		DS33G-3B		DS33G-3				
	GM	TYP	GM	TYP	GM	TYP	GM	TYP	
5-42 MHz	3.9	3.7	6.4	6.2	4.3	3.3	7.5	7.2	dB
43-600 MHz	4.5	3.9	7.3	6.6	4.6	3.8	8.5	7.2	dB
601-800 MHz	4.5	4.3	7.3	7.0	4.6	4.2	8.5	7.5	dB
801-1002 MHz	5.3	4.9	8.5	7.8	5.4	5.0	9.5	8.4	dB

Output - Output Isolation

Frequency	DS33G-2		DS33G-3B		DS33G-3		
	GM	TYP	GM	TYP	GM	TYP	
5-15 MHz	21	47	22	27	22	33	dB
16-400 MHz	25	27	22	28	24	27	dB
401-600 MHz	21	25	22	27	22	25	dB
601-800 MHz	20	27	21	30	22	31	dB
801-1002 MHz	20	20	20	35	20	26	dB

Return Loss- Input / Output

Frequency	DS33G-2		DS33G-3B		DS33G-3		
	GM	TYP	GM	TYP	GM	TYP	
5-15 MHz	16	17	16	19	16	17	dB
16-600 MHz	18	20	18	20	18	22	dB
601-800 MHz	17	19	16	20	17	18	dB
801-1002 MHz	16	20	16	22	16	18	dB

General Specifications

Power Passing:	15 Amp, 90 VAC for Splitter
Hum Modulation @ 10 Amp	-60 dB
Surge Withstand:	IEEE C62.41-1991 Category B3 / 6kV combination wave, 3000 Amp

- Specifications subject to change without notice. v9.00 GM: Guarantee Minimum. TYP: Typical

Ordering Information:

DS33G-
└──────────────────┘ 2, 3, 3B



DC33G Series 1GHz Mainline Couplers -8, -12, -16 dB & Power Inserter

Insertion Loss

Frequency	DC33G-8		DC33G-12		DC33G-16		DC33G-PI		dB
	GM	TYP	GM	TYP	GM	TYP	GM	TYP	
5-42 MHz	1.6	1.3	1.3	1.2	1.0	0.7	0.7	0.5	
43-600 MHz	2.5	2.3	2.0	1.3	1.8	1.0	1.0	0.5	
601-800 MHz	2.5	2.5	2.0	1.8	1.8	1.2	1.0	0.5	
801-1002 MHz	3.5	3.1	3.0	2.0	2.2	1.6	1.0	1.0	

Tap Value

Frequency	DC33G-8		DC33G-12		DC33G-16		DC33G-PI		dB
	GM	TYP	GM	TYP	GM	TYP			
5-600 MHz	8 ± 1.2	8.6	12 ± 1.2	12.4	16 ± 1.2	16.2			
601-800 MHz	8 ± 1.3	8.8	12 ± 1.3	12.5	16 ± 1.3	16.7			
801-1002 MHz	8 ± 1.6	8.7	12 ± 1.6	12.4	16 ± 1.6	16.9			

Output - Tap Isolation

Frequency	DC33G-8		DC33G-12		DC33G-16		DC33G-PI		dB
	GM	TYP	GM	TYP	GM	TYP	GM	TYP	
5-15 MHz	21	27	23	23	24	24	63	85	
16-400 MHz	28	30	27	31	30	31	60	78	
401-600 MHz	25	27	25	26	27	27	60	72	
601-800 MHz	21	23	21	24	20	23	60	72	
801-1002 MHz	20	20	20	21	20	22	52	67	

Return Loss- Input / Output / Tap

Frequency	DC33G-8		DC33G-12		DC33G-16		DC33G-PI		dB
	GM	TYP	GM	TYP	GM	TYP	GM	TYP	
5-15 MHz	16	19	16	16	16	20	18	18	
16-600 MHz	18	20	18	20	18	19	18	20	
601-800 MHz	17	22	18	19	17	25	16	25	
801-1002 MHz	16	18	16	25	16	23	16	22	

General Specifications

Power Passing:	15 Amp, 90 VAC for Directional Couplers
Power Passing:	20 Amp, 90 VAC for Power Inserter
Hum Modulation @ 10 Amp	-60 dB
Surge Withstand:	IEEE C62.41-1991 Category B3 / 6kv combination wave, 3000 Amp

- Specifications subject to change without notice. v9.00
- GM: Guarantee Minimum. TYP: Typical

Ordering Information:

DC33G-

8, 12, 16, PI

