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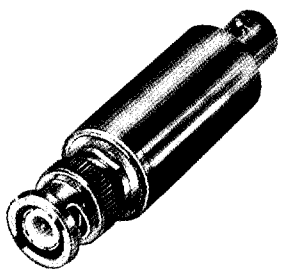
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FIXED ATTENUATORS 50 & 75Ω Coaxial

UP TO 2W 0.5 to 40 dB, DC to 6000 MHz



CAT

MODEL NO.	FREQ. RANGE MHz f_L-f_U	ATTENUATION dB Nom.	FLATNESS, Max. L	M	U	VSWR (:1) Max. L	M	U	POWER W	CASE STYLE Note B	CONNECTION	PRICE $ Qty. (1-9)
CAT-1	DC-1500	1±0.2	0.3	0.4	0.5	1.3	1.5	1.7	1	FF55	-	16.95
CAT-2	DC-1500	2±0.2	0.3	0.4	0.8	1.3	1.5	1.7	1	FF55	-	16.95
CAT-3	DC-1500	3±0.2	0.3	0.6	1.0	1.3	1.5	1.7	1	FF55	-	16.95
■ CAT-3-75	DC-500	3±0.2	0.9	—	—	2.0	—	—	1	FF55	-	16.95
CAT-4	DC-1500	4±0.2	0.3	0.6	1.0	1.3	1.5	1.7	1	FF55	-	16.95
CAT-5	DC-1500	5±0.3	0.3	0.6	1.0	1.3	1.5	1.7	1	FF55	-	16.95
CAT-6	DC-1500	6±0.3	0.3	0.6	1.0	1.3	1.5	1.7	1	FF55	-	16.95
■ CAT-6-75	DC-500	6±0.3	1.0	—	—	2.0	—	—	1	FF55	-	16.95
CAT-7	DC-1500	7±0.3	0.3	0.6	1.0	1.3	1.5	1.7	1	FF55	-	16.95
CAT-8	DC-1500	8±0.3	0.3	0.6	1.0	1.3	1.5	1.7	1	FF55	-	16.95
CAT-9	DC-1500	9±0.4	0.3	0.6	1.0	1.3	1.5	1.7	1	FF55	-	16.95
CAT-10	DC-1500	10±0.4	0.3	0.6	1.0	1.3	1.5	1.7	1	FF55	-	16.95
■ CAT-10-75	DC-500	10±0.4	1.0	—	—	2.0	—	—	1	FF55	-	16.95
CAT-12	DC-1500	12±0.4	0.3	0.6	1.0	1.3	1.5	1.7	1	FF55	-	16.95
CAT-15	DC-1500	15±0.4	0.4	0.7	1.1	1.3	1.5	1.7	1	FF55	-	16.95
■ CAT-15-75	DC-500	15±0.4	0.8	—	—	1.5	—	—	1	FF55	-	16.95
CAT-20	DC-1500	20±0.5	0.4	0.8	1.3	1.3	1.6	1.8	1	FF55	-	16.95
■ CAT-20-75	DC-500	20±0.5	1.1	—	—	2.0	—	—	1	FF55	-	16.95
CAT-25	DC-2000	25±0.5	0.4	0.8	1.3*	1.3	1.6	2.0**	1	FF55	-	16.95
CAT-30	DC-1000	30±0.5	0.5	1.0	—	1.3	1.6	—	1	FF55	-	16.95
CAT-40	DC-500	40±0.6	1.0	—	—	1.5	—	—	1	FF55	-	16.95

L = DC-500 MHz M = DC-1000 MHz U = DC-f_U

NOTES:

■ Denotes 75 ohm models. For coax connector models 75 ohm BNC connectors are standard.

* Attenuation Flatness over DC-2000 MHz:
CAT-25, NAT-25, 0.75 dB typ.; NAT-1-2W, 0.20 dB typ.;
NAT-2-2W, 0.40 dB typ.; NAT-3-2W, 0.50 dB typ.
NAT-4-2W, 0.8 dB typ.; NAT-5-2W, 0.9 dB typ.; NAT-6-2W, 1.0 dB typ.

** VSWR over DC-2000 MHz:
CAT-25, NAT-25, 1.45 (typ.)
NAT-2W models, 1.25 (typ.)

A. General Quality Control Procedures, Environmental Specifications, Hi-Rel and MIL description are given in General Information (Section 0).

B. Connector types and case mounted options, case finishes are given in section 0, see "Case styles & outline drawings".

C. Prices and specifications subject to change without notice.

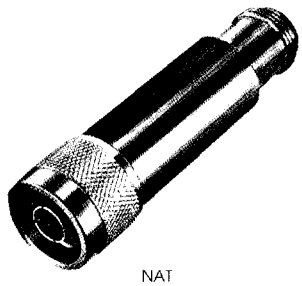
NSN GUIDE

MCL NO.	NSN
CAT-3	5985-01-447-0901
CAT-5	5985-01-299-9258
CAT-6	5985-01-300-0481
CAT-10	5985-01-380-3801
CAT-15	5985-01-299-9257
CAT-20	5985-01-265-0338
CAT-30	5985-01-296-0943
NAT-3	5985-01-298-0747
NAT-10	5985-01-291-5548
NAT-30	5985-01-298-0746
SAT-3	5985-01-418-0247
SAT-6	5985-01-237-5343
SAT-10	5985-01-250-4812
SAT-15	5985-01-418-0250
SAT-20	5985-01-454-7333
SAT-30	5985-01-190-6838

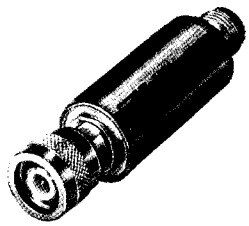
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SAT



NAT



TAT (Consult factory)

MODEL NO.	FREQ. RANGE MHz f_L-f_U	ATTENUATION dB Nom.	FLATNESS, Max. L	M	U	VSWR (:1) Max. L	M	U	POWER W	CASE STYLE Note B	CONNECTION	PRICE $ Qty. (1-9)
SAT-0.5	DC-1500	0.5±0.1	0.2	0.3	0.3	1.2	1.2	1.3	1	FF56	-	20.95
SAT-1	DC-1500	1±0.2	0.3	0.4	0.5	1.3	1.5	1.7	0.5	FF56	-	20.95
SAT-2	DC-1500	2±0.2	0.3	0.4	0.8	1.3	1.5	1.7	0.5	FF56	-	20.95
SAT-2.5	DC-1500	2.5±0.2	0.2	0.4	0.7	1.2	1.2	1.3	0.25	FF56	-	20.95
SAT-3	DC-1500	3±0.2	0.3	0.6	1.0	1.3	1.5	1.7	0.5	FF56	-	20.95
SAT-4	DC-1500	4±0.2	0.3	0.6	1.0	1.3	1.5	1.7	0.5	FF56	-	20.95
SAT-5	DC-1500	5±0.3	0.3	0.6	1.0	1.3	1.5	1.7	0.5	FF56	-	20.95
SAT-6	DC-1500	6±0.3	0.3	0.6	1.0	1.3	1.5	1.7	0.5	FF56	-	20.95
SAT-7	DC-1500	7±0.3	0.3	0.6	1.0	1.3	1.5	1.7	0.5	FF56	-	20.95
SAT-8	DC-1500	8±0.3	0.3	0.6	1.0	1.3	1.5	1.7	0.5	FF56	-	20.95
SAT-9	DC-1500	9±0.4	0.3	0.6	1.0	1.3	1.5	1.7	0.5	FF56	-	20.95
SAT-10	DC-1500	10±0.4	0.3	0.6	1.0	1.3	1.5	1.7	0.5	FF56	-	20.95
SAT-12	DC-1500	12±0.4	0.3	0.6	1.0	1.3	1.5	1.7	0.5	FF56	-	20.95
SAT-15	DC-1500	15±0.4	0.4	0.7	1.1	1.3	1.5	1.7	0.5	FF56	-	20.95
SAT-20	DC-1500	20±0.5	0.4	0.8	1.3	1.3	1.6	1.8	0.5	FF56	-	20.95
SAT-30	DC-1000	30±0.5	0.5	1.0	—	1.3	1.6	—	0.5	FF56	-	20.95
SAT-40	DC-500	40±0.6	1.0	—	—	1.5	—	—	0.5	FF56	-	20.95
NAT-1	DC-1500	1±0.2	0.3	0.4	0.5	1.3	1.5	1.7	1	FF57	-	23.95
NAT-1-2W	DC-2000	1±0.2	0.2	0.3	0.5*	1.3	1.4	1.5**	2	FF57	-	26.95
NAT-2	DC-1500	2±0.2	0.3	0.4	0.8	1.3	1.5	1.7	1	FF57	-	23.95
NAT-2-2W	DC-2000	2±0.2	0.2	0.4	0.7*	1.3	1.4	1.5**	2	FF57	-	26.95
NAT-3	DC-1500	3±0.2	0.3	0.6	1.0	1.3	1.5	1.7	1	FF57	-	23.95
NAT-3-2W	DC-2000	3±0.2	0.3	0.4	0.7*	1.3	1.4	1.5**	2	FF57	-	26.95
NAT-4	DC-1500	4±0.2	0.3	0.6	1.0	1.3	1.5	1.7	1	FF57	-	23.95
NAT-4-2W	DC-2000	4±0.2	0.2	0.5	1.2*	1.3	1.4	1.5**	2	FF57	-	26.95
NAT-5	DC-1500	5±0.3	0.3	0.6	1.0	1.3	1.5	1.7	1	FF57	-	23.95
NAT-5-2W	DC-2000	5±0.2	0.2	0.5	1.2*	1.3	1.4	1.5**	2	FF57	-	26.95
NAT-6	DC-1500	6±0.3	0.3	0.6	1.0	1.3	1.5	1.7	1	FF57	-	23.95
NAT-6-2W	DC-2000	6±0.2	0.2	0.5	1.5*	1.3	1.4	1.5**	2	FF57	-	26.95
NAT-7	DC-1500	7±0.3	0.3	0.6	1.0	1.3	1.5	1.7	1	FF57	-	23.95
NAT-8	DC-1500	8±0.3	0.3	0.6	1.0	1.3	1.5	1.7	1	FF57	-	23.95
NAT-9	DC-1500	9±0.4	0.3	0.6	1.0	1.3	1.5	1.7	1	FF57	-	23.95
NAT-10	DC-1500	10±0.4	0.3	0.6	1.0	1.3	1.5	1.7	1	FF57	-	23.95
NAT-12	DC-1500	12±0.4	0.3	0.6	1.0	1.3	1.5	1.7	1	FF57	-	23.95
NAT-15	DC-1500	15±0.4	0.4	0.7	1.1	1.3	1.5	1.7	1	FF57	-	23.95
NAT-20	DC-1500	20±0.5	0.4	0.8	1.3	1.3	1.6	1.8	1	FF57	-	23.95
NAT-25	DC-2000	25±0.5	0.4	0.8	1.3*	1.3	1.6	1.8**	1	FF57	-	23.95
NAT-30	DC-1000	30±0.5	0.5	1.0	—	1.3	1.6	—	1	FF57	-	23.95
NAT-40	DC-500	40±0.6	1.0	—	—	1.5	—	—	1	FF57	-	23.95
			$\underline{L}_1$	$\underline{M}_1$	$\underline{U}_1$	$\underline{L}_1$	$\underline{M}_1$	$\underline{U}_1$				
NAT-1-60	DC-6000	1±0.2	0.4	0.8	1.1	1.2	1.5	1.5	1	FF57	-	26.95
NAT-2-60	DC-6000	2±0.2	0.4	0.8	1.2	1.2	1.4	1.4	0.9	FF57	-	26.95
NAT-3-60	DC-6000	3±0.2	0.4	1.0	1.4	1.2	1.4	1.4	0.65	FF57	-	26.95
NAT-4-60	DC-6000	4±0.2	0.4	1.0	1.5	1.2	1.3	1.5	0.5	FF57	-	26.95
NAT-5-60	DC-6000	5±0.2	0.4	0.9	1.2	1.2	1.3	1.5	0.5	FF57	-	26.95
NAT-6-60	DC-6000	6±0.2	0.4	0.7	0.9	1.15	1.25	1.5	0.5	FF57	-	26.95
NAT-7-60	DC-6000	7±0.2	0.3	0.7	0.9	1.2	1.3	1.4	0.45	FF57	-	26.95
NAT-8-60	DC-6000	8±0.2	0.2	0.5	1.0	1.2	1.3	1.4	0.35	FF57	-	26.95
NAT-9-60	DC-6000	9±0.2	0.2	0.7	1.3	1.2	1.2	1.45	0.225	FF57	-	26.95
NAT-10-60	DC-6000	10±0.2	0.3	0.9	1.9	1.2	1.2	1.5	0.225	FF57	-	26.95
NAT-12-42	DC-4200	12±0.2	0.3	0.8	1.8	1.2	1.2	1.2	0.25	FF57	-	26.95
NAT-15-30	DC-3000	15±0.2	0.3	0.8	1.5	1.2	1.2	1.2	0.2	FF57	-	26.95
NAT-20-21	DC-2100	20±0.3	0.3	0.9	1.6	1.15	1.15	1.15	0.2	FF57	-	26.95
NAT-25-21	DC-2100	25±0.3	0.4	1.0	1.9	1.2	1.2	1.2	0.175	FF57	-	26.95
NAT-30-15	DC-1500	30±0.3	0.5	0.9	1.7	1.15	1.2	1.25	0.15	FF57	-	26.95

$\underline{L}$ = DC-500 MHz $\underline{M}$ = DC-1000 MHz $\underline{U}$ = DC-f_U

$\underline{L}_1$ = DC-(1/3)f_U $\underline{M}_1$ = DC-(2/3)f_U $\underline{U}_1$ = DC-f_U

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FF57 (inch mm)

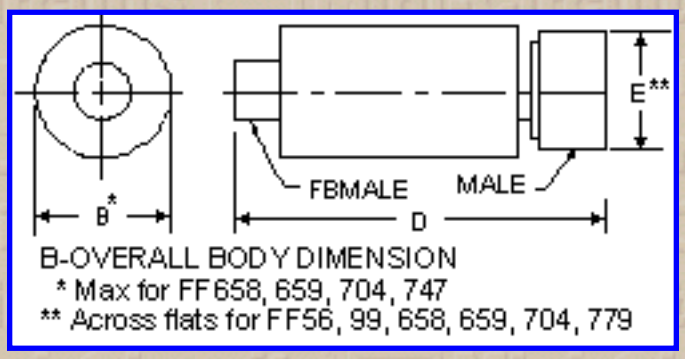
A	B	C	D	E	F	G	H	J
	0.67 17.018		2.90 73.660	.82 20.828				

K	L	M	N	P	Q	R	S	T	wt. grams.
									90

Tolerance: .x ± .1 .xx ± .03 .xxx ± .015 inch.

Notes:

- Material and Finish:
  - Case material: Stainless steel, passivated.
- Connectors:
  - Connectors: Male N, Female N standard. Combinations with BNC, SMA, TNC available on request, consult factory.



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FF56(inch mm)

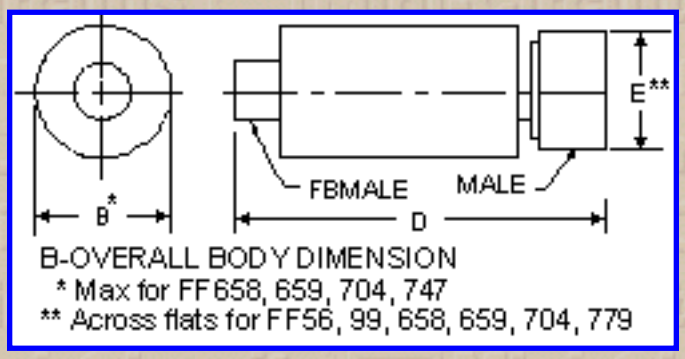
A	B	C	D	E	F	G	H	J
	.43 10.922		1.70 43.180	.312 7.925				

K	L	M	N	P	Q	R	S	T	wt. grams.
									18

Tolerance: .x ± .1 .xx ± .03 .xxx ± .015 inch.

Notes:

- Material and Finish:
  - Case material: brass. Finish: nickel plate.
- Connectors:
  - Connectors: Male SMA. Female SMA only.



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FF55 (inch / mm)

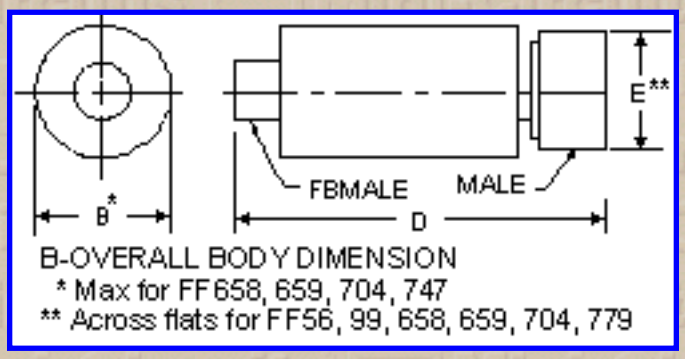
A	B	C	D	E	F	G	H	J
	0.54 13.716		2.59 65.786					

K	L	M	N	P	Q	R	S	T	wt. grams.
									40

Tolerance: .x ± .1 .xx ± .03 .xxx ± .015 inch.

Notes:

- Material and Finish:
  - Case material: Stainless steel, passivated.
- Connectors:
  - Connectors: Male BNC, Female BNC standard. Other combinations with SMA, TNC available on request, consult factory.



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