

LOW POWER 50 OHM SMA FIXED ATTENUATORS

Model	Frequency Range	Attenuation Values	Attenuation Accuracy	VSWR Maximum	Input Power
351-015-XXX*	DC - 1 GHz	1 - 40 dB in 1 dB increments	+/-0.3 dB 1 - 20 dB +/-0.5 dB 21 - 40 dB	1.20:1	1 Watt Average
351-024-XXX*	DC - 2.2 GHz	1 - 40 dB in 1 dB increments	+/-0.5 dB 1 - 20 dB +/-0.75 dB 21 - 40 dB	1.40:1	1 Watt Average
351-129-XXX*	DC - 2.5 GHz	1 - 40 dB in 1 dB increments	+/-0.5 dB 1 - 20 dB +/-0.75 dB 21 - 40 dB	1.40:1	1 Watt Average
351-057-XXX*	DC - 3 GHz	1 - 40 dB in 1 dB increments	+/-0.5 dB 1 - 20 dB +/-1.0 dB 21 - 40 dB	1.40:1	1 Watt Average
351-032-XXX*	DC - 4 GHz	1 - 10, 15, 20 30 and 40 dB	+/-0.3 dB 1 - 10, 15 & 20 dB +/-0.5 dB 30 and 40 dB	1.20:1	2 Watts Average
351-009-XXX*	DC - 6 GHz	1 - 30 dB in 1 dB increments	+/-0.5 dB	1.40:1	5 Watts Average
351-125-XXX*	DC - 12.4 GHz	1 - 30 dB in 1 dB increments	+/-0.5 dB 1 - 20 dB +/-0.75 dB 21 - 30 dB	1.25:1	2 Watts Average
351-013-XXX*	DC - 18 GHz	1 - 30 dB in 1 dB increments	+/-0.5 dB 1 - 20 dB +/-0.75 dB 21 - 30 dB	1.35:1	2 Watts Average
351-040-XXX*	DC - 18 GHz	1 - 20 and 30 dB	+/-0.5 dB 1 - 10 dB +/-1.0 dB 11 - 20 & 30 dB	1.35:1	5 Watts Average
351-052-XXX*	DC - 26.5 GHz	1 - 20, 30 and 40 dB	+/-0.8 dB 1 - 20 dB +/-1.5 dB 30 and 40 dB	1.50:1	2 Watts Average

MEDIUM POWER 50 OHM SMA FIXED ATTENUATORS

Model	Frequency Range	Attenuation Values	Attenuation Accuracy	VSWR Maximum	Input Power
351-025-XXX*	DC - 4 GHz	1 - 30 and 40 dB	+/-0.5 dB 1 - 20 dB +/-0.5 dB or 3% max 21-30 & 40 dB	1.40:1	10 Watts Average
351-234-XXX*	DC - 4 GHz	3, 6, 10, 20 and 30 dB	+/-0.3 dB 3 & 6 dB +/-0.5 dB 10 dB +/-0.75 dB 20 & 30 dB	1.20:1	5 Watts Average
351-031-XXX*	DC - 12.4 GHz	1 - 40 dB in 1 dB increments	+/-0.5 dB 1 - 20 dB +/-0.7 dB 21 - 40 dB	1.40:1	10 Watts Average
351-241-XXX*	DC - 18 GHz	1 - 12, 15, 20 and 30 dB	+/-0.75 dB 1 - 12 dB +/-1.0 dB 15 & 20dB +/-1.25 dB 30 dB	1.45:1	10 Watts Average
351-034-XXX*	DC - 4 GHz	1 - 30 dB	+/-0.5 dB 1 - 20 dB +/-0.75 dB 21 - 30 dB	1.40:1	25 Watts Average

HIGH POWER 50 OHM SMA FIXED ATTENUATORS

Model	Frequency Range	Attenuation Values	Attenuation Accuracy	VSWR Maximum	Input Power
351-027-XXX*	DC - 4 GHz	1 - 30 dB and 40 dB	+/-0.5 dB maximum	1.30:1	50 Watts Average

CONDUCTION COOLED 50 OHM SMA FIXED ATTENUATORS

Model	Frequency Range	Attenuation Values	Attenuation Accuracy	VSWR Maximum	Input Power
351-251-XXX*	DC - 1 GHz	1 - 40 dB in 1 dB increments	+/-0.5 dB 1-10 dB +/-1.0 dB 11-20 dB +/-1.5 dB 21-40 dB	1.35:1	10 Watts Average
351-250-XXX*	DC - 1 GHz	1 - 40 dB in 1 dB increments	+/-0.5 dB 1-10 dB +/-1.0 dB 11-20 dB +/-1.5 dB 21-40 dB	1.35:1	100 Watts Average

*Insert desired attenuation value (example: 3 dB = 003).

Male to Female connectors are the standard configuration, other configurations are available.
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LOW POWER 50 OHM N FIXED ATTENUATORS

Model	Frequency Range	Attenuation Values	Attenuation Accuracy	VSWR Maximum	Input Power
352-011-XXX*	DC - 1 GHz	1 - 40 dB in 1 dB increments	+/-0.3 dB 1 - 20 dB +/-0.5 dB 21 - 40 dB	1.20:1	1 Watt Average
352-016-XXX*	DC - 2.2 GHz	1 - 40 dB in 1 dB increments	+/-0.5 dB 1 - 20 dB +/-0.75 dB 21 - 40 dB	1.40:1	1 Watt Average
352-126-XXX*	DC - 2.2 GHz	1 - 40 dB in 1 dB increments	+/-0.5 dB 1 - 20 dB +/-0.75 dB 21 - 40 dB	1.40:1	2 Watts Average
352-129-XXX*	DC - 2.5 GHz	1 - 40 dB in 1 dB increments	+/-0.5 dB 1 - 20 dB +/-0.75 dB 21 - 40 dB	1.40:1	1 Watt Average
352-057-XXX*	DC - 3 GHz	1 - 40 dB in 1 dB increments	+/-0.5 dB 1 - 20 dB +/-1.0 dB 21 - 40 dB	1.40:1	1 Watt Average
352-035-XXX*	DC - 4 GHz	1 - 10, 15, 20, 30 and 40 dB	+/-0.3 dB 1 - 10, 15 & 20 dB +/-0.5 dB 30 & 40 dB	1.20:1	2 Watts Average
352-230-XXX*	DC - 4 GHz	1 - 12, 15, 20 and 30 dB	+/-0.3 dB 1 - 9 dB +/-0.5 dB 10-12 & 15 dB +/-0.75 dB 20 & 30 dB	1.20:1	5 Watts Average
352-009-XXX*	DC - 6 GHz	1 - 30 dB in 1 dB increments	+/-0.5 dB	1.40:1	5 Watts Average
352-103-XXX*	DC - 6 GHz	1 - 10, 15, 20, 30 and 40 dB	+/-0.5 dB 1 - 10, 15 & 20 dB +/-1.0 dB 30 & 40 dB	1.35:1	2 Watts Average
352-125-XXX*	DC - 12.4 GHz	1 - 30 dB in 1 dB increments	+/-0.5 dB 1 - 20 dB +/-0.75 dB 21 - 30 dB	1.25:1	2 Watts Average
352-019-XXX*	DC - 18 GHz	1 - 30 dB in 1 dB increments	+/-0.5 dB 1 - 20 dB +/-0.75 dB 21 - 30 dB	1.35:1	2 Watts Average
352-028-XXX*	DC - 18 GHz	1 - 30 dB in 1 dB increments	+/-0.5 dB 1 - 20 dB +/-0.75 dB 21 - 30 dB	1.35:1	5 Watts Average
352-232-XXX*	DC - 18 GHz	1 - 12, 15, 20 and 30 dB	+/-0.5 dB 1 - 9 dB +/-0.75 dB 10-12 & 15 dB +/-1.0 dB 20 & 30 dB	1.35:1	5 Watts Average

MEDIUM POWER 50 OHM N FIXED ATTENUATORS

Model	Frequency Range	Attenuation Values	Attenuation Accuracy	VSWR Maximum	Input Power
352-178-XXX*	DC - 2 GHz	1 - 30 dB in 1 dB increments	+/-0.5 dB 1 - 10 dB +/-1.0 dB 11 - 30 dB	1.35:1	30 Watts Average
352-025-XXX*	DC - 4 GHz	1 - 30 and 40 dB	+/-0.5 dB 1 - 20 dB +/-0.5 dB or 3% max 21 - 30 & 40 dB	1.40:1	10 Watts Average
352-231-XXX*	DC - 4 GHz	1 - 12, 15, 20 and 30 dB	+/-0.3 dB 1 - 9 dB +/-0.5 dB 10-12 & 15 dB +/-0.75 dB 20 & 30 dB	1.20:1	10 Watts Average
352-034-XXX*	DC - 4 GHz	1 - 30 and 40 dB	+/-0.5 dB 1 - 20 dB +/-0.75 dB 21 - 30 & 40	1.40:1	25 Watts Average
352-020-XXX*	DC - 18 GHz	1 - 40 dB in 1 dB increments	+/-0.7 dB 1 - 20 dB +/-1.0 dB 21 - 40 dB	1.40:1	10 Watts Average
352-233-XXX*	DC - 18 GHz	1 - 12, 15, 20 and 30 dB	+/-0.5 dB 1 - 9 dB +/-0.75 dB 10-12 & 15 dB +/-1.0 dB 20 & 30 dB	1.45:1	10 Watts Average



*Insert desired attenuation value (example: 3 dB = 003).
Male to Female connectors are the standard configuration, other configurations are available.
Complete specifications and outline drawings are available on our web site or consult the factory.



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HIGH POWER 50 OHM N FIXED ATTENUATORS

Model	Frequency Range	Attenuation Values	Attenuation Accuracy	VSWR Maximum	Input Power
352-017-XXX*	DC - 3 GHz	1, 2, 3, 6, 10, 20 and 30 dB	Consult the Factory	1.25:1	150 Watts Average
352-136-XXX*	DC - 2.2 GHz	1 - 30 dB in 1 dB increments	+/-0.5 dB 1 - 10 dB +/-1.0 dB 11 - 30 dB	1.35:1	100 Watts Average
352-137-XXX*	DC - 2.2 GHz	1 - 30 dB in 1 dB increments	+/-0.5 dB 1 - 10 dB +/-1.0 dB 11 - 30 dB	1.40:1	150 Watts Average
352-177-XXX*	DC - 2.2 GHz	1 - 30 dB in 1 dB increments	+/-0.5 dB 1 - 10 dB +/-1.0 dB 11 - 30 dB	1.40:1	200 Watts Average
352-023-XXX*	DC - 2.4 GHz	1, 3, 6, 10, 20, 30 and 40 dB	Consult the Factory	1.25:1	300 Watts Average
352-045-XXX*	DC - 2.4 GHz	3, 6, 10, 20 and 30 dB	Consult the Factory	1.25:1	1,000 Watts Average
352-047-XXX*	DC - 2.5 GHz	3, 6, 10, 20 and 30 dB	Consult the Factory	1.25:1	500 Watts Average
352-001-XXX*	DC - 3 GHz	3 - 30 dB in 1 dB increments	+/-0.5 dB	1.30:1	100 Watts Average
352-061-XXX*	DC - 3 GHz	3 - 30 dB in 1 dB increments	+/-0.5 dB	1.30:1	150 Watts Average
352-027-XXX*	DC - 4 GHz	1 - 30 dB and 40 dB	+/-0.5 dB	1.30:1	50 Watts Average
352-094-XXX*	DC - 6 GHz	3 - 40 dB in 1 dB increments	+/-0.75 dB 3 - 30 dB +/-1.0 dB 31 - 40 dB	1.25:1	50 Watts Average
352-050-XXX*	DC - 18 GHz	3 - 40 dB in 1 dB increments	+/-0.75 dB 3 - 6 dB +/-1.0 dB 7 - 20 dB +/-1.5 dB 21 - 40 dB	1.45:1	50 Watts Average

CONDUCTION COOLED 50 OHM N FIXED ATTENUATORS

Model	Frequency Range	Attenuation Values	Attenuation Accuracy	VSWR Maximum	Input Power
352-226-XXX*	DC - 1 GHz	1 - 40 dB in 1 dB increments	+/-0.5 dB 1-10 dB +/-1.0 dB 11-20 dB +/-1.5 dB 21-40 dB	1.35:1	25 Watts Average
352-227-XXX*	DC - 1 GHz	1 - 40 dB in 1 dB increments	+/-0.5 dB 1-10 dB +/-1.0 dB 11-20 dB +/-1.5 dB 21-40 dB	1.35:1	100 Watts Average



*Insert desired attenuation value (example: 3 dB = 003).
 Models rated 500 Watts average and above are uni-directional.
 Male to Female connectors are the standard configuration, other configurations are available.
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LOW POWER 50 OHM BNC FIXED ATTENUATORS

Model	Frequency Range	Attenuation Values	Attenuation Accuracy	VSWR Maximum	Input Power
354-012-XXX*	DC - 1 GHz	1 - 40 dB in 1 dB increments	+/-0.3 dB 1 - 20 dB +/-0.5 dB 21 - 40 dB	1.20:1	1 Watt Average
354-124-XXX*	DC - 2 GHz	1 - 40 dB in 1 db increments	+/-0.5 dB 1 - 20 dB +/-0.75 dB 21 - 40 dB	1.40:1	2 Watts
354-014-XXX*	DC - 2.2 GHz	1 - 40 dB in 1 dB increments	+/-0.5 dB 1 - 20 dB +/-0.75 dB 21 - 40 dB	1.40:1	1 Watt Average
354-129-XXX*	DC - 2.5 GHz	1 - 40 dB in 1 dB increments	+/-0.5 dB 1 - 20 dB +/-0.75 dB 21 - 40 dB	1.40:1	1 Watt Average
354-009-XXX*	DC - 6 GHz	1 - 30 dB in 1 dB increments	+/-0.5 dB	1.40:1	5 Watts Average

MEDIUM POWER 50 OHM BNC FIXED ATTENUATORS

Model	Frequency Range	Attenuation Values	Attenuation Accuracy	VSWR Maximum	Input Power
354-025-XXX*	DC - 4 GHz	1 - 30 and 40 dB	+/-0.5 dB 1 - 20 dB +/-0.5 dB or 3% max 21 - 30 & 40 dB	1.40:1	10 Watts Average
354-034-XXX*	DC - 4 GHz	1 - 30 and 40 dB	+/-0.5 dB 1 - 20 dB +/-0.75 dB 21 - 30 & 40 dB	1.40:1	25 Watts Average

HIGH POWER 50 OHM BNC FIXED ATTENUATORS

Model	Frequency Range	Attenuation Values	Attenuation Accuracy	VSWR Maximum	Input Power
354-136-XXX*	DC - 2.2 GHz	1 - 30 and 40 dB	+/-0.5 dB	1.35:1	100 Watts Average
354-027-XXX*	DC - 4 GHz	1 - 30 and 40 dB	+/-0.5 dB	1.30:1	50 Watts Average

LOW POWER 50 OHM TNC FIXED ATTENUATORS

Model	Frequency Range	Attenuation Values	Attenuation Accuracy	VSWR Maximum	Input Power
353-012-XXX*	DC - 1 GHz	1 - 40 dB in 1 dB increments	+/-0.3 dB 1 - 20 dB +/-0.5 dB 21 - 40 dB	1.20:1	1 Watt Average
353-124-XXX*	DC - 2 GHz	1 - 40 dB in 1 dB increments	+/-0.5 dB 1 - 20 dB +/-0.75 dB 21 - 40 dB	1.30:1	2 Watts Average
353-022-XXX*	DC - 2.2 GHz	1 - 40 dB in 1 dB increments	+/-0.5 dB 16 - 20 dB +/-0.75 dB 21 - 40 dB	1.30:1 1.40:1	1 Watt Average
353-129-XXX*	DC - 2.5 GHz	1 - 40 dB in 1 dB increments	+/-0.5 dB 1 - 20 dB +/-0.75 dB 21 - 40 dB	1.40:1	1 Watt Average
353-057-XXX*	DC - 3 GHz	1 - 40 dB in 1 dB increments	+/-0.5 dB 1 - 20 dB +/-1.0 dB 21 - 40 dB	1.40:1	1 Watt Average
353-009-XXX*	DC - 6 GHz	1 - 30 dB in 1 dB increments	+/-0.5 dB	1.40:1	5 Watts Average

MEDIUM POWER 50 OHM TNC FIXED ATTENUATORS

Model	Frequency Range	Attenuation Values	Attenuation Accuracy	VSWR Maximum	Input Power
353-025-XXX*	DC - 4 GHz	1 - 30 and 40 dB	+/-0.5 dB 1 - 20 dB +/-0.5 dB or 3% max 21 - 30 & 40 dB	1.40:1	10 Watts Average
353-034-XXX*	DC - 4 GHz	1 - 30 and 40 dB	+/-0.5 dB 1 - 20 dB +/-0.75 dB 21 - 30 & 40 dB	1.40:1	25 Watts Average

HIGH POWER 50 OHM TNC FIXED ATTENUATORS

Model	Frequency Range	Attenuation Values	Attenuation Accuracy	VSWR Maximum	Input Power
353-027-XXX*	DC - 4 GHz	1 - 30 and 40 dB	+/-0.5 dB	1.30:1	50 Watts

*Insert desired attenuation value (example: 3 dB = 003).

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MEDIUM POWER 50 OHM 7/16 FIXED ATTENUATORS

Model	Frequency Range	Attenuation Values	Attenuation Accuracy	VSWR Maximum	Input Power
355-025-XXX*	DC - 4 GHz	1 - 30 and 40 dB	+/-0.5 dB 1 - 20 dB +/-0.5 dB or 3% 21 - 30 & 40 dB	1.40:1	10 Watts Average
355-034-XXX*	DC - 4 GHz	1 - 30 and 40 dB	+/-0.5 dB 1 - 20 dB +/-0.75 dB 21 - 30 & 40 dB	1.40:1	25 Watts Average

HIGH POWER 50 OHM 7/16 FIXED ATTENUATORS

Model	Frequency Range	Attenuation Values	Attenuation Accuracy	VSWR Maximum	Input Power
355-027-XXX*	DC - 4 GHz	1 - 30 dB and 40 dB	+/-0.5 dB	1.30:1	50 Watts Average
355-001-XXX*	DC - 3 GHz	3 - 30 dB in 1 dB increments	+/-0.5 dB	1.30:1	100 Watts Average
355-061-XXX*	DC - 3 GHz	3 - 30 dB in 1 dB increments	+/-0.5 dB	1.30:1	150 Watts Average

LOW POWER 50 OHM 2.9 mm FIXED ATTENUATORS

Model	Frequency Range	Attenuation Values	Attenuation Accuracy	VSWR Maximum	Input Power
357-021-XXX*	DC - 40 GHz	1 - 20 dB in 1 dB increments	+/-0.6 dB 1 - 15 dB +/-1.0 dB 16 - 20 dB	1.40:1	0.5 Watts Average

LOW POWER 75 OHM N FIXED ATTENUATORS

Model	Frequency Range	Attenuation Values	Attenuation Accuracy	VSWR Maximum	Input Power
372-049-XXX*	DC - 1 GHz	1 - 20 dB in 1 dB increments	+/-0.5 dB	1.40:1	1 Watt Average

LOW POWER 75 OHM TNC FIXED ATTENUATORS

Model	Frequency Range	Attenuation Values	Attenuation Accuracy	VSWR Maximum	Input Power
373-049-XXX*	DC - 1 GHz	1 - 20 dB in 1 dB increments	+/-0.5 dB	1.40:1	1 Watt Average

LOW POWER 75 OHM BNC FIXED ATTENUATORS

Model	Frequency Range	Attenuation Values	Attenuation Accuracy	VSWR Maximum	Input Power
374-095-XXX*	DC - 0.5 GHz	1 - 20 dB in 1 dB increments	+/-0.3 dB DC - 0.1 GHz +/-0.5 dB 0.1 - 0.5 GHz	1.30:1	1 Watt Average
374-049-XXX*	DC - 1 GHz	1 - 20 dB in 1 dB increments	+/-0.5 dB	1.40:1	1 Watt Average
374-120-XXX*	DC - 2 GHz	1 - 40 dB in 1 dB increments	+/-0.5 dB 1 - 20 dB +/-1.0 dB 21 - 40 dB	1.50:1	1 Watt Average



*Insert desired attenuation value (example: 3 dB = 003).
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