

HIGH POWER ISOLATORS

SINGLE AND DUAL STAGE TO 400 WATTS

Telewave High Power Isolators provide maximum effectiveness in intermodulation suppression. A dual-stage unit can provide as much as 85 dB isolation for adjacent channel suppression, and better than 60 dB across the entire bandwidth. The low loss characteristic of the Telewave design insures maximum power transfer to the antenna system.

Telewave isolators are magnetically compensated to allow mounting on any surface without significant detuning. Circulation direction may be specified for special mounting situations. To prevent radiation of harmonics, a cavity or harmonic filter should be placed between the isolator and the antenna.

Telewave High Power Isolators are available in single or dual stage configurations from 148 to 960 MHz. Power capability of up to 400 watts is available, and many different termination options can be specified.

One or two removable 60 watt loads are supplied standard. Optional loads to 300 watts are available. Consult Telewave with load requirements, and special mounting or mechanical configurations.



T-1530H



T-1560H



T-4530H



T-4560H



T-8660H

NOTE: HIGH POWER ISOLATORS ARE NOT FIELD TUNABLE, AND ARE MANUFACTURED FOR A SPECIFIC FREQUENCY.

ISOLATION DATA IS MEASURED WITH POWER APPLIED.

SPECIFICATIONS		T-1530H	T-1560H	T-4530H	T-4560H	T-8660H
Isolator type		Single	Dual	Single	Dual	Dual
Frequency range (MHz)		148-174	148-174	440-475	440-475	806-960
Isolation (typ.)		35 dB	65 dB	35 dB	80 dB	70 dB
Isolation (min.)		30 dB	55 dB	30 dB	60 dB	60 dB
Insertion loss (typ.)		0.6 dB	0.9 dB	0.5 dB	0.8 dB	0.8 dB
VSWR (typ.)		1.25:1				
Maximum power		300 W	300 W	400 W	400 W	300 W
Connectors		N Female				
Temperature		-30 to +60 °C				
Dimensions incl. loads	in.	6.75 x 5 x 2.625	9.75 x 6.75 x 2.75	6.5 x 5.25 x 2.5	9 x 6.5 x 2.5	6.5 x 5.25 x 2.75
	cm	17.1 x 12.7 x 6.7	24.8 x 17.1 x 7	16.5 x 13.3 x 6.4	22.9 x 16.5 x 6.4	16.5 x 13.3 x 7