

Collins Torsional Mechanical Filters

This is a sample listing. If you do not find a filter listed here that meets your requirements, please contact Filter Products and we will be pleased to assist you.

Symmetrical Torsional Filter Product Specifications

Center Frequency (kHz)	Filter Bandwidths (KHz)						Loss Max. (dB)	Number of Resonators	Case Style	Part Number	Comments
	Min. BW	@	dB	Max. BW	@	dB					
112.00	0.60	@	3	12.00	@	40	6	2	MP	526-8761-010	Sonar filter (controlled phase)
112.00	1.20	@	3	60.00	@	40	3.5	2	MP	526-8760-010	Sonar filter (controlled phase)
112.00	2.00	@	3	120.00	@	40	3.5	2	MP	526-8755-010	Sonar filter (controlled phase)
308.05	1.60	@	3	3.40	@	60	5	8	GT	526-8764-010	
450.00	0.50	@	3	3.50	@	60	10	7	LP	526-8633-010	
450.00	4.80	@	2	7.60	@	57	4	11	PL	526-8756-010	
450.00	6.40	@	3	12.50	@	70	4	10	PL	526-8753-010	
450.00	6.40	@	3	13.60	@	60	4	8	PS	526-8720-010	
453.30	1.40	@	3	4.80	@	60	5	8	PS	526-8729-010	
455.00	0.07	@	1	1.00	@	60	7	9	LP	526-8631-010	
455.00	0.20	@	3	1.00	@	60	10	11	LP	526-8587-010	
455.00	0.24	@	3	1.00	@	60	10	8	PS	526-8733-010	Low-Cost Product Line
455.00	0.40	@	3	1.00	@	60	9	11	LP	526-8598-010	
455.00	0.45	@	3	2.00	@	60	5	7	PS	526-8686-010	
455.00	0.49	@	3	2.00	@	60	5	7	PS	526-8693-010	Low-Cost Product Line
455.00	0.60	@	3	1.50	@	60	8	8	LP	526-8676-010	
455.00	0.65	@	3	4.00	@	60	7	5	LP	526-8675-010	
455.00	0.70	@	3	2.00	@	55	8	8	PS	526-8732-010	
455.00	0.95	@	3	5.00	@	60	4	7	FP	526-8527-010	
455.00	1.00	@	3	2.40	@	65	5	8	PS	526-8706-020	
455.00	1.25	@	3	2.70	@	60	5	8	PS	526-8752-010	
455.00	1.8	@	6	3.8	@	60	5	10	PL	526-8754-010	
455.00	1.90	@	3	4.40	@	60	5	8	PS	526-8742-010	
455.00	2.00	@	3	4.40	@	60	5	8	PS	526-8731-010	
455.00	2.26	@	6	4.60	@	66	5	10	PL	526-8739-010	
455.00	2.40	@	3	4.20	@	66	3	12	LP	526-8751-010	
455.00	2.40	@	3	5.20	@	60	5	8	PS	526-8694-010	Low-Cost Product Line
455.00	2.50	@	3	5.50	@	60	5	8	PS	526-8700-020	
455.00	2.56	@	6	4.90	@	66	6	10	PL	526-8728-010	
455.00	2.70	@	3	4.40	@	60	5	12	LP	526-8518-010	
455.00	2.70	@	3	6.00	@	60	5	8	PS	526-8759-010	
455.00	2.85	@	3	7.60	@	60	4	7	PS	526-8667-010	
455.00	2.90	@	3	12.50	@	60	3	12	LP	526-8528-010	
455.00	2.95	@	3	6.40	@	60	5	8	PS	526-8709-010	
455.00	3.10	@	6	6.20	@	60	3	8	SM	526-8740-010	Surface Mount Package
455.00	3.80	@	3	10.00	@	60	5	7	PS	526-8710-010	Narrow AM For Europe
455.00	4.50	@	3	10.00	@	45	2.5	8	DC	526-8750-010	Controlled Delay
455.00	4.70	@	3	11.75	@	60	3	7	LP	526-8646-020	
455.00	5.50	@	3	11.00	@	60	5	8	PS	526-8695-010	Low-Cost Product Line
455.00	5.50	@	3	14.50	@	60	5	6	PS	526-8715-010	Controlled Delay
455.00	5.50	@	3	9.80	@	60	4	10	LP	526-8590-010	
455.00	5.60	@	3	30.00	@	60	3	6	PS	526-8684-010	Controlled Delay
455.00	5.80	@	2	9.70	@	20	4	4	FP	526-8628-010	FSK - Almost Butterworth
455.00	6.00	@	3	10.70	@	60	4	10	LP	526-8590-020	
455.00	6.00	@	3	12.00	@	65	4	8	PS	526-8712-010	Controlled Phase
455.00	6.70	@	3	14.00	@	60	5	8	PS	526-8734-010	Low-Cost Product Line
455.00	7.60	@	6	30.00	@	60	5	7	LP	526-8614-010	
455.00	8.00	@	3	19.00	@	60	2	8	FP	526-8561-010	
455.00	9.50	@	3	28.50	@	60	4	8	PS	526-8669-010	

Symmetrical Filters Continued

Center Frequency (kHz)	Filter Bandwidths (KHz)						Loss Max. (dB)	Number of Resonators	Case Style	Part Number	Comments
	Min. BW	@	dB	Max. BW	@	dB					
455.00	10.00	@	3	20.00	@	60	4	8	PS	526-8735-010	Low-Cost Product Line
455.00	11.50	@	3	32.00	@	60	4	6	LP	526-8591-010	
455.00	12.00	@	3	100.00	@	60	4	6	LP	526-8678-010	
455.00	14.00	@	3	46.00	@	50	5	6	PS	526-8685-010	Controlled Delay
455.00	16.00	@	3	36.00	@	50	4	8	LP	526-8639-010	
455.00	19.00	@	3	55.00	@	60	4	7	PS	526-8670-010	
455.00	20.00	@	3	44.00	@	60	5	8	PS	526-8777-010	
456.70	1.40	@	3	5.20	@	60	5	8	PS	526-8730-010	
490.00	0.30	@	6	2.40	@	60	8	6	PS	526-8749-010	Navtex
500.00	0.30	@	6	2.40	@	60	8	6	PS	526-8768-010	Navtex
500.00	5.50	@	4	12.00	@	60	5	10	LP	526-8558-010	
500.00	6.00	@	3	14.00	@	60	3	7	FP	526-8570-010	
518.00	0.30	@	3	6.00	@	70	8	6	PS	526-8708-010	Navtex
525.00	17.00	@	6	45.00	@	50	4	6	LP	526-8661-010	VHF Radio
710.081	4.00	@	3	20.00	@	60	8	6	PS	526-8767-010	

Lower and Upper Sideband Specifications

Carrier Frequency (kHz)	Filter Bandwidths (KHz)						Loss Max (dB)	Number of Resonators	Case Style	Part Number	Comments
	Min. BW	@	dB	Max. BW	@	dB					
Upper Sideband Filters											
448.71	2.85	@	3	4.40	@	60	4	12	LP	526-8603-010	Mil Std 188-141 (Controlled Delay)
450.00	3.00	@	3	6.00	@	60	4	8	PS	526-8564-020	
455.00	1.90	@	3	6.25	@	60	6	7	FP	526-8510-010	
455.00	2.40	@	3	5.40	@	60	5	8	PS	526-8642-010	
455.00	2.45	@	3	4.30	@	60	4	12	LP	526-8721-010	
455.00	2.70	@	6	6.00	@	60	5	7	FP	526-8537-010	
455.00	2.85	@	3	4.30	@	60	4	12	LP	526-8605-010	Mil Std 188-141 (Controlled Delay)
456.50	2.20	@	6	5.00	@	60	3	8	PS	526-8679-010	
500.00	3.00	@	3	5.30	@	45	4	8	SM	526-8664-010	Surface Mount
Lower Sideband Filters											
200.00	2.70	@	3	5.00	@	60	4	10	PL	526-8757-010	
455.00	2.00	@	3	6.25	@	60	6	7	FP	526-8511-010	
455.00	2.40	@	3	5.40	@	60	5	8	LP	526-8643-020	
455.00	2.40	@	3	5.10	@	60	4	12	LP	526-8691-010	Controlled Delay
455.00	2.50	@	3	5.20	@	60	5	8	PS	526-8643-010	
455.00	2.70	@	6	5.94	@	60	5	7	FP	526-8536-010	
455.00	2.85	@	3	4.30	@	60	4	12	LP	526-8604-010	Mil Std 188-141 (Controlled Delay)
455.00	4.21	@	3	6.45	@	60	5	12	LP	526-8607-010	
461.29	2.85	@	3	4.30	@	60	4	12	LP	526-8606-010	Mil Std 188-141 (Controlled Delay)
500.00	2.19	@	6	4.60	@	60	4	9	LP	526-8557-010	
500.00	2.2	@	6	4.00	@	60	4	10	LP	526-8773-010	
500.00	2.36	@	3	4.27	@	60	4	12	LP	526-8559-010	